

16/3, K/7 (Item 7 from file: 348)
DI ALOC R) File 348: EUROPEAN PATENTS
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01499752

METHOD FOR SETTING UP COMMUNICATION PATHS BETWEEN ACCESS POINTS OF A
SWITCHING SYSTEM AND SWITCHING SYSTEM IMPLEMENTING SAID METHOD
VERFAHREN ZUM EINRICHTEN VON KOMMUNIKATIONSWEGEN ZWISCHEN ZUGRIFFSPUNKTEN
EINES VERMITTLUNGSSYSTEMS UND DAS VERFAHREN IMPLEMENTIERENDES
VERMITTLUNGSSYSTEM

PROCEDE D'ETABLISSEMENT DE CHEMINS DE COMMUNICATION ENTRE DES POINTS
D'ACCES D'UN SYSTEME DE COMMUTATION, ET SYSTEME DE COMMUTATION METTANT
EN OEUVRE LE PROCEDE

PATENT ASSIGNEE:

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PATENT (CG, No, Kind, Date): EP 1344384 A1 030917 (Basic)

EP 1344384 B1 070321

WO 2002052826 020704

APPLICATION (CG, No, Date): EP 2001272060 011211; WO 2001FR3918 011211

PRIORITY (CG, No, Date): FR 0016928 001222

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;

LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RQ; SI

INTERNATIONAL PATENT CLASS (V7): H04M 007/00; H04L 029/12; H04M 003/54;

H04M 003/56

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04M 0007/00 A I F B 20060101 20020710 H EP

H04L 0029/12 A I L B 20060101 20020710 H EP

H04M 0003/54 A I L B 20060101 20020710 H EP

H04M 0003/56 A I L B 20060101 20020710 H EP

NOTE:

No A-document published by EPO

LANGUAGE (Publication, Procedural, Application): French; French; French

FULLTEXT AVAILABILITY:

Available Text Language Update Word Count

CLAIMS B (English) 200712 1277

CLAIMS B (German) 200712 1056

CLAIMS B (French) 200712 1302

SPEC B (French) 200712 8074

Total word count - document A 0

Total word count - document B 11709

Total word count - documents A + B 11709

... CLAIMS said call configuration data indicating whether the communication
path to be set up comprises a **gateway** interface.

9. The method as claimed in claim 8, comprising the following steps for
setting...

... requested terminals: - creation of a first call processing task (71, 171)
in the call server **associated** with the requester terminal (70,
170);

- formation, by the first call processing task, of a setup message
including at least one number of the **requested** terminal and the
indication of the family of the **access** point to which the
requester terminal is connected;

- in response to the receipt of said setup message, creation of a
second call processing task (81, 181) in the call server **associated**
with the requested terminal (80, 180);

- interrogation of the configuration **manager** by the second call
processing task, on the basis of a set of parameters relating...

15/3, K/5 (Item 1 from file: 350)
DI ALOC(R) File 350: Derwent WPI X
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0017338274 - Drawing available
WPI ACC NO: 2008-B58713/200811
XRPX Acc No: N2008-125052

Local area network access control system for wireless client e.g. laptop,
has switch forwarding all communications received from wireless client
via access point onto network after adding address for client into
switch table

Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)

Inventor: ANDRADE M B; HALASZ D E; SHLEN P

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 7325246	B1	20080129	US 200241005	A	20020107	200811 B

Priority Applications (no., kind, date): US 200241005 A 20020107

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
US 7325246	B1	EN	9	3		

...system for wireless client e.g. laptop, has switch forwarding all
communications received from wireless client via access point onto
network after adding address for client into switch table

Alerting Abstract ...server via a network, where an access point is
communicatively coupled to the switch. The access point forwards all
communications received from an authenticated wireless client e.g.
laptop, to the switch responsive to the wireless client successfully
authenticating with the authentication server. The switch forwards all
communications received from the wireless client via the access point
onto the network after adding an address for the wireless client into a
switch table.

Original Publication Data by Authority

Argentina

Assignee name & address:

Original Abstracts:

...is authorized to communicate over the network. The trust relationship is
then extended from the access point to a wireless client requesting
connection to the network such that access to the network by said wireless
client is...

Claims:

...and the switch is configured to block packets having addresses that are
not in the switch table; wherein the switch is configured to be the
authenticator for the access point and is configured to authenticate
the access point with the authentication server and establish a secure
communication session with the access point; wherein the access point is
configured to be the authenticator for a wireless client having an
address, the access point communicates with the authentication server
using the secure communication session established with the switch
; wherein the access point is configured to send a message to the
switch via the secure communication session, the message comprising data
indicating the wireless client is authenticated...

...with the authentication server; wherein the switch is responsive to
receiving the message from the access point indicating the wireless
client is authenticated to add an address for the wireless client into
the switch table wherein the access point is configured to forward
all communications received from the authenticated wireless client to the
switch responsive to the wireless client successfully authenticating with
the authentication server; and wherein the switch is configured to forward
all communications received from the wireless client via the access
point onto the network after adding the address for the wireless client
into the switch table. Basic Derwent Week: 200811

15/5/6 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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0014180099 - Drawing available
WPI ACC NO: 2004-365370/200434
XRPX Acc No: N2004-292259

Enterprise gateways configuring method in generalized packet radio services system, involves determining enterprise Internet protocol address identifying interface of gateway and domain name associated with enterprise network

Patent Assignee: CISCO TECH IND (CISC-N); CISCO TECHNOLOGY INC (CISC-N)

Inventor: FEATHER A E

Patent Family (5 patents, 105 countries)

Patent Number	Kind	Application Date	Number	Kind	Date	Update
WO 2004036874	A1	20040429	WO 2003US32839	A	20031015	200434 B
US 20040081173	A1	20040429	US 2002272353	A	20021015	200434 E
AU 2003285885	A1	20040504	AU 2003285885	A	20031015	200467 E
EP 1552666	A1	20050713	EP 2003779112	A	20031015	200546 E
			WO 2003US32839	A	20031015	
CN 1706167	A	20051207	CN 200380101462	A	20031015	200636 E

Priority Applications (no., kind, date): US 2002272353 A 20021015

Patent Details

Number Kind Lan Pg Dwg Filing Notes

WO 2004036874 A1 EN 35 4

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003285885 A1 EN Based on OPI patent WO 2004036874

EP 1552666 A1 EN PCT Application WO 2003US32839

Based on OPI patent WO 2004036874

Regional Designated States,Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Alerting Abstract WO A1

NOVELTY - The method involves determining an enterprise Internet protocol (IP) address that identifies the interface of an enterprise gateway (22)

and an enterprise domain name associated with the enterprise network. An address for a border gateway is determined within an operator network (18). A configuration request is communicated to the border gateway and operator configuration information is received from the border gateway.

DESCRIPTION - The interface couples one or more components of an enterprise and the operator network links the enterprise gateway to one or more mobile nodes e.g. cellular telephones, personal computers, personal digital assistants and mobile handsets. The operator configuration information comprises an access point name associated to the enterprise network and for use by the mobile nodes to request to the enterprise network. INDEPENDENT CLAIMS are also included for the following:

1. an enterprise gateway for communicating data communications between a mobile node and an enterprise network
2. a border gateway for communicating data communications between a mobile node and an enterprise network
3. a logic for configuring enterprise gateways

4. a system for configuring enterprise gateways.

USE - Used for configuring enterprise gateways in a generalized packet radio services (GPRS) system.

ADVANTAGE - The method permits gateway equipment and much of their functionality to reside within enterprise networks rather than operator networks, thereby centralizing management of who may access the enterprise network in the network itself.

DESCRIPTION OF DRAWINGS - The drawing shows a system that includes an enterprise gateway linking an operator network to an enterprise network.

- 10 System
- 12 Mobile nodes
- 14 Enterprise networks
- 16 Radio access network
- 18 Operator network
- 22 Enterprise gateway

Title Terms/Index Terms/Additional Words: GATEWAY; METHOD; GENERAL; PACKET; RADIO SERVICE; SYSTEM DETERMINED; PROTOCOL; ADDRESS; IDENTITY; INTERFACE; DOMAIN; NAME; ASSOCIATE; NETWORK

Class Codes

International Classification (Main): H04L-012/28, H04L-029/06

(Additional/Secondary): H04L-012/00

US Classification, Issued: 370395540, 370401000

File Segment: EPI;

DWPI Class: W0

Manual Codes (EPI/S-X): W01-A03B; W01-A06E; W01-A06F2A; W01-A06G2;

W01-B05A1A; W01-C05B3J

15/5/7 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPI X

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0014120213 - Drawing available

WPI ACC NO: 2004-304688/200428

XRPX Acc No: N2004-242668

Data flow control process in enterprise wireless network, involves exchanging information relating to configuration status of wireless device and client session status of access points, through messaging protocol

Patent Assignee: BROADCOM CORP (BROADCOM)

Inventor: HASSEN A Q, LOCKE: MARTIN R

Patent Family (5 patents, 32 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20040068668	A1	20040408	US 2002416528	P	20021008	200428 B
			US 2003632807	A	20030804	
EP 1408653	A1	20040414	EP 200322872	A	20031008	200428 E
EP 1408653	B1	20060104	EP 200322872	A	20031008	200603 E
DE 60303075	E	20060330	DE 60303075	A	20031008	200628 E
			EP 200322872	A	20031008	
DE 60303075	T2	20060914	DE 60303075	A	20031008	200663 E
			EP 200322872	A	20031008	

Priority Applications (no., kind, date): US 2002416528 P 20021008; US 2003632807 A 20030804

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20040068668	A1	EN	25	14	Related to Provisional US 2002416528
EP 1408653	A1	EN			
Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR					
EP 1408653	B1	EN			
Regional Designated States, Original: DE FR GB					
DE 60303075	E	DE			Application EP 200322872
					Based on CPI patent EP 1408653
DE 60303075	T2	DE			Application EP 200322872
					Based on CPI patent EP 1408653

Alerting Abstract US A1
NOVELTY - A network device periodically **polls** for a status of a wireless device from an **access point**. The access points and the network device exchange information relating to configuration status and client session status of the **access points**, through a messaging protocol.
DESCRIPTION - An **INDEPENDENT CLAIM** is also included for network device.
USE - For controlling flow of data in wireless local area network, for use in home or small office, enterprise, airport, library, conference, etc.
ADVANTAGE - Provides easy installation and maintenance, seamless mobility of wireless devices in the enterprises, and security for enterprise.
DESCRIPTION OF DRAWINGS - The figure illustrates the message exchange sequence for client login.

Title Terms/Index Terms/Additional Words: DATA; FLOW CONTROL; PROCESS; WIRELESS; NETWORK; EXCHANGE; INFORMATION; RELATED; CONFIGURATION; STATUS; DEVICE; CLIENT; SESSION; ACCESS; POINT; THROUGH; MESSAGING; PROTOCOL

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/28 A I F B 20060101

H04L-0012/28 A I F 20060101

H04L-0012/28 A I R 20060101

H04L-0012/28 C I F B 20060101

H04L-0012/28 C I L B 20060101

H04L-0012/28 C I R 20060101

US Classification, Issued: 713201000, 709223000, 380270000, 370235000

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI/S-X): W01-A06B5A; W01-A06C4; W01-A06E

15/5/9 (Item 5 from file: 350)

DI ALCO (R) File 350: Derwent WPI X

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0014019256 - Drawing available

WPI ACC NO: 2004-200920/200419

XRPX Acc No: N2004-159517

Cellular communication network for mobile telecommunications system has radio frequency manager which manages handoff including handoff to self that enable transition of mobile and base stations from first to second frequency

Patent Assignee: NORTEL NETWORKS LTD (NELE)

Inventor: CARTER D; WILSON J E

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update	B
US 6701148	B1	20040302	US 1999468551	A	19991221	200419	B

Priority Applications (no., kind, date): US 1999468551 A 19991221

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 6701148	B1	EN	10	5	

Alerting Abstract US B1

NOVELTY - The cellular communication network includes a radio frequency manager which manages the handoff upon the occurrence of a predetermined event. The handoff includes a handoff to self operable to enable transition of the mobile station and the base station from a first to a second frequency while remaining operatively coupled.

DESCRIPTION - A second frequency is selected without querying a second cell for frequency information. **INDEPENDENT CLAIMS** are also included for the following:

1. a method of radio frequency management in a cellular network; and
2. a method for radio frequency transition using a handoff to self in a telecommunications network.

USE - For mobile telecommunications system wireless communication system

e.g. time division multiple access system

ADVANTAGE - Eliminates the requirement for another radio with an empty time slot. Allows for a radio with interference to change from a first channel to a second channel immediately, without having to wait for the existing calls on the radio to finish prior to changing from the first channel to the second channel.

DESCRIPTION OF DRAWINGS - The figures shows the flowchart for performing a handoff to self, and a flowchart for handling channel change.

Title Terms/Index Terms/Additional Words: CELLULAR; COMMUNICATE; NETWORK; MOBILE; TELECOMMUNICATION; SYSTEM; RADIO; FREQUENCY; MANAGE; SELF; ENABLE; TRANSITION; BASE; STATION; FIRST; SECOND

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04Q 0007/36 A N R 20060101

H04Q 0007/38 A I R 20060101

H04Q 0007/36 C N R 20060101

H04Q 0007/38 C I R 20060101

US Classification, Issued: 455436000, 455437000, 455439000, 455442000, 455444000, 370331000, 370332000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A; W02-C03C1D; W02-K02

15/5/10 (Item 6 from file: 350)

DIALOG File 350; Derwent WPI X
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0013910541 - Drawing available

WPI ACC NO: 2004-090103/200409

XRPX Acc No: N2004-072247

Wireless access control method involves instructing access gateway to establish channel between mobile terminal and equipment external to network, based on whether communication between terminal and equipment is allowed

Patent Assignee: NEC CORP (NIDE)

Inventor: TAKEJI M TAKETSUGU M

Patent Family (7 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	B
US 20040005888	A1	20040108	US 2003612953	A	20030707	200409	
JP 2004040729	A	20040205	JP 2002198830	A	20020708	200411	
GB 2391764	A	20040211	GB 200315958	A	20030708	200413	
CN 1471279	A	20040128	CN 2003148573	A	20030704	200426	
GB 2391764	B	20060412	GB 200315958	A	20030708	200626	
JP 3991208	B2	20071017	JP 2002198830	A	20020708	200770	
US 7302257	B2	20071127	US 2003612953	A	20030707	200780	

Priority Applications (no., kind, date): JP 2002198830 A 20020708; US 2003612953 A 20030707

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20040005888	A1	EN	14	6	
JP 2004040729	A	JA	13		
JP 3991208	B2	JA	11		Previously issued patent JP 2004040729

Alerting Abstract US A1

NOVELTY - A control signal for establishing communication with an equipment external to the wireless network, is transmitted from mobile terminal (100) to base station (200). A control station (300) instructs access gateway (400) to establish a channel between mobile terminal and network, based on whether communication between terminal and equipment is allowed. The control signal is transmitted to equipment, when the channel is established.

DESCRIPTION - An INDEPENDENT CLAIM is also included for wireless access system

USE - For controlling wireless access in internet, local area network

(LAN), using mobile terminal.

ADVANTAGE - Enables the access network control station to apply a new internet protocol (IP) layer to the wireless access network, without allowing the base station to add or amend the new IP layer to a wireless region specific signal.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the wireless access system

- 100 mobile terminal
- 200 wireless base station
- 300 access network control station
- 400 wireless access gateway
- 405 channel establishment device

Title Terms/Index Terms/Additional Words: WIRELESS; ACCESS; CONTROL; METHOD; INSTRUCTION; GATEWAY; ESTABLISH; CHANNEL; MOBILE; TERMINAL; EQUIPMENT; EXTERNAL; NETWORK; BASED; COMMUNICATE; ALLOW

Class Codes

International Classification (Main): H04Q 007/20

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0007/26	A	I	R	20060101	
H04L-0012/28	A	I	F	B	20060101
H04L-0012/28	A	I	F	R	20060101
H04L-0012/66	A	I	R	20060101	
H04Q-0007/20	A	I	R	20060101	
H04Q-0007/22	A	I	L	B	20060101
H04Q-0007/22	A	I	L	R	20060101
H04Q-0007/24	A	I	L	B	20060101
H04Q-0007/24	A	I	L	R	20060101
H04Q-0007/26	A	I	L	B	20060101
H04Q-0007/26	A	I	L	R	20060101
H04Q-0007/30	A	I	L	B	20060101
H04Q-0007/30	A	I	L	R	20060101
H04Q-0007/32	A	I	R	20060101	
H04Q-0007/36	A	I	L	B	20060101
H04Q-0007/36	A	I	L	R	20060101
H04Q-0007/38	A	I	L	B	20060101
H04Q-0007/38	A	I	L	R	20060101
H04Q-0007/20	A	I	F	B	20060101
H04B-0007/26	C	I	R	20060101	
H04L-0012/28	C	I	F	B	20060101
H04L-0012/28	C	I	F	R	20060101
H04L-0012/66	C	I	R	20060101	
H04Q-0007/20	C	I	R	20060101	
H04Q-0007/22	C	I	L	B	20060101
H04Q-0007/22	C	I	L	R	20060101
H04Q-0007/24	C	I	L	B	20060101
H04Q-0007/24	C	I	L	R	20060101
H04Q-0007/26	C	I	L	B	20060101
H04Q-0007/26	C	I	L	R	20060101
H04Q-0007/30	C	I	L	B	20060101
H04Q-0007/30	C	I	L	R	20060101
H04Q-0007/32	C	I	R	20060101	
H04Q-0007/36	C	I	L	B	20060101
H04Q-0007/36	C	I	L	R	20060101
H04Q-0007/38	C	I	L	B	20060101
H04Q-0007/38	C	I	L	R	20060101
H04Q-0007/20	C	I	B	20060101	

US Classification, Issued: 455450000, 455422100, 455422100, 455069000, 455041200, 455411000, 455414100, 455417000, 370328000, 370338000, 370401000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-A03B; W01-A06F2A; W01-A06G2; W01-A06G3; W01-A06G5C; W01-B05A1A; W01-C02D; W02-C03C1A

15/5/15 (Item 11 from file: 350)

DIALOG File 350: Derwent WPI X

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0013157383 - Drawing available
 WPI ACC NO: 2003-240134/ 200323
 XRPX Acc. No: N2003-191293

Virtual link system for wireless device e.g. Bluetooth enabled PDA to LAN connected peripheral e.g. printer using virtual device table and permissions filter to ensure virtual linking between devices
 Patent Assignee: FUHRING J (FUHR-I); JCLLOTA J M (JCLL-I); KAMSTRA D (KAMS-I); STEPHENS S (STEP-I); STRIX SYSTEMS INC (STRI-N); BEASLEY J (BEAS-I)
 Inventor: BEASLEY J; FUHRING J; JCLLOTA J; JCLLOTA J M; KAMSTRA D; STEPHENS S

Patent Family (6 patents, 100 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2003021978	A1	20030313	WO 2002US25644	A	20020812	200323 B
US 20030095524	A1	20030522	US 2001311716	P	20010810	200336 E
			US 2002218178	A	20020812	
EP 1421804	A1	20040526	EP 2002761344	A	20020812	200435 E
			WO 2002US25644	A	20020812	
AU 2002326620	A1	20030318	AU 2002326620	A	20020812	200452 E
US 7170857	B2	20070130	US 2001311716	P	20010810	200710 E
			US 2002218178	A	20020812	
US 20070115819	A1	20070524	US 2001311716	P	20010810	200735 E
			US 2002218178	A	20020812	
			US 2007625138	A	20070119	

Priority Applications (no., kind, date): US 2001311716 P 20010810; US 2002218178 A 20020812; US 2007625138 A 20070119

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
WO 2003021978	A1	EN	51	15	
National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM GR HU I D IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW					
Regional Designated States, Original: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL CA PT SD SE SK SL SZ TR TZ UG ZM ZW					
US 20030095524	A1	EN			Related to Provisional US 2001311716
EP 1421804	A1	EN			PCT Application WO 2002US25644 Based on CFI patent WO 2003021978
Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR					
AU 2002326620	A1	EN			Based on CFI patent WO 2003021978
US 7170857	B2	EN			Related to Provisional US 2001311716
US 20070115819	A1	EN			Related to Provisional US 2001311716 Continuation of application US 2002218178

2002218178

Continuation of patent US 7170857

Alerting Abstract WO A1

NOVELTY - Includes an access point (132) and a controller (130) configured to mediate transmissions between the wireless device e.g. Bluetooth enabled wireless Personal Digital Assistant (118) and the another device e.g. printer (112) connected via a LAN to the system. A virtual device table and a permissions filter are maintained to ensure virtual linking between devices (118, 112) that have matching access right and requested services.

DESCRIPTION - INDEPENDENT CLAIMS are included for an apparatus, a method and a computer readable medium.

USE - For virtual linking a wireless device e.g. Bluetooth enabled PDA to a e.g. peripheral device on a LAN e.g. printer, scanner, etc.

ADVANTAGE - User wireless device need not carry appropriate LAN protocol and print drivers to facilitate printing over indirect connection to non-Bluetooth LAN connected printer.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of the system

- 112 Printer
- 118 Wireless Personal Digital Assistant

130 Controller
132 Access point

Title Terms/Index Terms/Additional Words: VIRTUAL; LINK; SYSTEM; WIRELESS;
DEVICE; ENABLE; LAN; CONNECT; PERIPHERAL; PRINT; TABLE; FILTER; ENSURE

Class Codes

International Classification (Main): H04Q 007/00

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04J-0001/16	A	I	F	B	20060101
H04L-0012/28	A	I	R		20060101
H04L-0012/56	A	I	R		20060101
H04L-0029/06	A	I	R		20060101
H04L-0029/08	A	N	R		20060101
H04L-0012/26	A	I	F	B	20060101
H04J-0001/00	C	I	F	B	20060101
H04L-0012/28	C	I	R		20060101
H04L-0012/56	C	I	R		20060101
H04L-0029/06	C	I	R		20060101
H04L-0029/08	C	N	R		20060101
H04L-0012/26	C	I	B		20060101

US Classification, Issued: 370353000, 370338000, 370230000, 370230000,
370401000

File Segment: EPI:

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-C03C; T01-C05A1; T01-M06A1A; T01-N02A2A;
T01-S03; W01-A06B5A; W01-A06C4A; W01-A06F2C

15/5/16 (Item 12 from file: 350)

DIALCG File 350: Derwent WPIX

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0013146243 - Drawing available

WPI ACC NO: 2003-228720/200322

XRPX Acc No: N2003-181968

Network device for mobile communication system controls transmission of power to multiple channels and returns surplus power to power allocation controller

Patent Assignee: FUJITSU LTD (FUT); GOTO H (GOTO1); YAMANOBE T

(YAMA1)

Inventor: GOTO H; YAMABE T; YAMANOBE T

Patent Family (4 patents, 3 countries)

Number	Kind	Date	Number	Kind	Date	Update
US 20030003941	A1	20030102	US 2001968447	A	20011001	200322 B
JP 2003008504	A	20030110	JP 2001194616	A	20010627	200322 E
KR 2003001205	A	20030106	KR 200167015	A	20011030	200332 E
US 6961581	B2	20051101	US 2001968447	A	20011001	200571 E

Priority Applications (no., kind, date): JP 2001194616 A 20010627; US
2001968447 A 20011001

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20030003941	A1	EN	24	17	
JP 2003008504	A	JA	14		

Alerting Abstract US A1

NOVELTY - A power allocation controller (25) allocates prescribed transmission power to a requesting communication channel. A channel power controller (41) controls the transmission of power and returns surplus power to the power allocation controller, when the actual transmitted power falls below the allocated power.

DESCRIPTION - An INDEPENDENT CLAIM is included for method of managing power in network device of mobile communication system

USE - For mobile communication system

ADVANTAGE - Achieves appropriate power allocation resulting in improved communication quality.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the

mobile radio system
25 power allocation controller
41 channel power controller

Title Terms/Index Terms/Additional Words: NETWORK; DEVICE; MOBILE;
COMMUNICATE; SYSTEM; CONTROL; TRANSMISSION; POWER; MULTIPLE; CHANNEL;
RETURN; SURPLUS; ALLOCATE

Class Codes

International Classification (Main): H04B-007/26

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0007/005 A I F R 20060101

H04B-0007/26 A I F R 20060101

H04Q-0007/38 A I F R 20060101

H04B-0007/005 C I F R 20060101

H04B-0007/26 C I F R 20060101

H04Q-0007/38 C I F R 20060101

US Classification, issued: 455522000, 455013200, 455522000, 455013400,
455127100

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A; W02-C03C1B; W02-C03E3

15/5/17 (Item 13 from file: 350)

DI ALCO File 350: Derwent WPI X

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0013117573 - Drawing available

WPI ACC NO: 2003-199269/ 200319

Related WPI Acc No: 2002-529242; 2002-538717; 2003-068535; 2003-288251;
2003-776987

XRPX Acc No: N2003-158487

Wireless communication exchanging system e.g. for cellular telephone,
performs hand-off for communication link and link context to specific base
station when quality of established link is dropped below threshold
value

Patent Assignee: BEASLEY J (BEAS-I); DOMBROWSKI D (DOMB-I); FUHRING J
(FUHR-I); JOLLOTA J (JOLL-I); KAMSTRA D (KAMS-I); KUIKEN M (KUIK-I);
MERGENTHAL W (MERG-I); MOHAMMAD S (MOHA-I); SHERICK C (SHER-I);
STEPHENS S (STEP-I); STRIX SYSTEMS INC (STRI-N); WHITE A (WHIT-I);
ZANDI AN S (ZAND-I)

Inventor: BEASLEY J; DOMBROWSKI D; FUHRING J; JOLLOTA J; KAMSTRA D; KUIKEN
M; MERGENTHAL W; MOHAMMAD S; SHERICK C; STEPHENS S; WHITE A; ZANDI AN S

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020167965	A1	20021114	US 2001262558	P	20010118	200319 B
			US 2001288294	P	20010502	
			US 2001333885	P	20011128	
			US 200252910	A	20020118	
US 7016325	B2	20060321	US 200252910	A	20020118	200621 E

Priority Applications (no., kind, date): US 2001262558 P 20010118; US
2001288294 P 20010502; US 2001333885 P 20011128; US 200252910 A
20020118

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20020167965	A1	EN	32	14	Related to Provisional US 2001262558 Related to Provisional US 2001288294 Related to Provisional US 2001333885

Alerting Abstract US A1

NOVELTY - A base station (102) obtains an unique session address
associated with an unique Bluetooth device address (BDADDR) and
establishes a communication link with a mobile unit (104). The link context
data associated with the mobile unit, is identified based on the unique
address. The link and link context are hand-off to another base station
(108) when the determined quality of the link is dropped below a threshold

value.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Communication exchanging method;
2. Computer readable medium storing communication exchanging program and
3. Communication exchanging apparatus.

USE - For exchanging wireless communication between cellular telephones, personal digital assistant (PDA), personal computers, cordless telephones, headsets, etc.

ADVANTAGE - The communication link is efficiently handed off without the assistance of mobile unit while maintaining continuous communication context.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the single internet protocol subnet architecture.

102, 108 Base stations

104 Mobile unit

Title Terms/Index Terms/Additional Words: WIRELESS; COMMUNICATE; EXCHANGE; SYSTEM; CELLULAR; TELEPHONE; PERFORMANCE; HAND; LINK; CONTEXT; SPECIFIC; BASE; STATICS; QUALITY; ESTABLISH; DROP; BELOW THRESHOLD; VALUE

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04J-0003/16 A I L B 20060101

H04L-0012/28 A I L B 20060101

H04L-0012/28 A I L R 20060101

H04L-0012/56 A I R 20060101

H04L-0029/12 A I R 20060101

H04L-0007/00 A N R 20060101

H04Q-0007/00 A I F B 20060101

H04Q-0007/38 A I R 20060101

H04J-0003/16 C I L B 20060101

H04L-0012/28 C I L B 20060101

H04L-0012/28 C I R 20060101

H04L-0012/56 C I R 20060101

H04L-0029/12 C I R 20060101

H04L-0007/00 C N R 20060101

H04Q-0007/00 C I L B 20060101

H04Q-0007/38 C I R 20060101

US Classification, Issued: 370465000, 370352000, 370331000, 370401000, 370469000, 455041200

File Segment: EPI;

DWPI Class: T01; W01; W02

Manual Codes (EPI/S-X): T01-S03; W01-B05A1A; W02-C03C1A; W02-C03C1D; W02-K02E; W02-K02X

15/5/22 (Item 18 from file: 350)

DIALOG File 350: Derwent WPI X

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0012880751

WPI ACC NO: 2002-740028/ 200280

Related WPI Acc No: 2003-428852; 2003-596697; 2005-194110; 2005-656067

XRPX Acc No: N2002-583019

Method to route and remotely upload software updates to AIRINC 615 compliant LRLS on aircraft, involves converting AIRINC 615 communication for software upload into standard network-based protocol

Patent Assignee: BOEING CO (BOEI); HOLST W (HOLS-I); LEE D R (LEED-I)

Inventor: BRINKLEY R R; HOLST W; LEE D R; MITCHELL T M; PRICE J L

Patent Family (10 patents, 99 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20020111720	A1	20020815	US 2001268085	P	20010213	200280 B
			US 200242374	A	20020104	
WO 2002065683	A2	20020822	WO 2002US4128	A	20020212	200280 E

WO 2002079918	A2	20021010	WO 2002US4125	A	20020212	200280	E
EP 1368725	A2	20031210	EP 2002733800	A	20020212	200382	E
			WO 2002US4125	A	20020212		
EP 1370953	A2	20031217	EP 2002709489	A	20020212	200402	E
			WO 2002US4128	A	20020212		
US 6671589	B2	20031230	US 200242374	A	20020104	200402	E
AU 2002243971	A1	20020828	AU 2002243971	A	20020212	200427	E
AU 2002305931	A1	20021015	AU 2002305931	A	20020212	200432	E
AU 2002243971	A8	20051013	AU 2002243971	A	20020212	200611	E
AU 2002305931	A8	20051013	AU 2002305931	A	20020212	200611	E

Priority Applications (no., kind, date): US 2001268085 P 20010213; US 200242374 A 20020104

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020111720	A1	EN	9	4	Related to Provisional US 2001268085
WO 2002065683	A2	EN			
National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW					
Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW					
WO 2002079918	A2	EN			
National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW					
Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW					
EP 1368725	A2	EN			PCT Application WO 2002US4125 Based on CPI patent WO 2002079918
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
EP 1370953	A2	EN			PCT Application WO 2002US4128 Based on CPI patent WO 2002065683
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
AU 2002243971	A1	EN			Based on CPI patent WO 2002065683
AU 2002305931	A1	EN			Based on CPI patent WO 2002079918
AU 2002243971	A8	EN			Based on CPI patent WO 2002065683
AU 2002305931	A8	EN			Based on CPI patent WO 2002079918

Alerting Abstract US A1

NOVELTY - All ARI NC 615 compatible avionics computers, operational program configuration files and performance databases are connected to an electronic apparatus. The electronic apparatus converts the ARI NC 615 communication for software upload received from the compatible computers into standard network-based protocols for further information transmission to network clients.

DESCRIPTION - An INDEPENDENT CLAIM is included for an apparatus for manually and remotely activating ARI NC 615 communication with connected aircraft computers.

USE - For routing and remotely uploading software updates to ARI NC 615 compliant CPUs on aircraft.

ADVANTAGE - Enables remote and/or automated acquisition of fault and maintenance data from airborne computers effectively using ARI NC 615 communication.

Title Terms/Index Terms/Additional Words: METHOD; ROUTE; REMOTE; SOFTWARE; UPDATE; COMPLAINT; AIRCRAFT; CONVERT; COMMUNICATE; STANDARD; NETWORK; BASED; PROTOCOL

Class Codes

International Classification (Main): G06F-013/38, G06F-017/00, H04B-007/00
International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0001/00 A I R 20060101

G06F-0013/38 A I R 20060101

G06F-0015/173 A I R 20060101
 G06F-0009/445 A I R 20060101
 H04B-0007/00 A I R 20060101
 H04Q-0007/20 A N R 20060101
 H04Q-0007/32 A N R 20060101
 G06F S I R 20060101
 G06F-0001/00 C I R 20060101
 G06F-0013/38 C I R 20060101
 G06F-0015/16 C I R 20060101
 G06F-0009/445 C I R 20060101
 H04B-0007/00 C I R 20060101
 H04L S I R 20060101
 H04Q-0007/20 C N R 20060101
 H04Q-0007/32 C N R 20060101
 US Classification, Issued: 701003000, 340945000, 701003000, 244001R00

File Segment: EPI;
 DWPI Class: T01; W06
 Manual Codes (EPI/S-X): T01-F01B; T01-F05B2; T01-J07D1; T01-N02A2A;
 W06-B01B8

15/5/23 (Item 19 from file: 350)
 DIALOG R File 350: Derwent WPI X
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0012855007 - Drawing available
 WPI ACC NO. 2002-71336/ 200277
 XRPX Acc No: N2002-563052
 Wireless local loop system has proxy agent which communicates with customer premises servers over shared radio link, and master agent for retrieving network requested data from management information base in proxy agent
 Patent Assignee: RAVI NDRAN G (RAVI-I); SOMA NETWORKS INC (SOMA-N); VARLEY M A (VARL-I)
 Inventor: RAVI NDRAN G; VARLEY M A
 Patent Family (8 patents, 99 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 2002079983	A2	20021010	WO 2002CA428	A	20020325	200277	B
CA 2342540	A1	20020929	CA 2342540	A	20010329	200279	E
EP 1410201	A2	20040421	EP 2002708101	A	20020325	200427	E
			WO 2002CA428	A	20020325		
AU 2002242556	A1	20021015	AU 2002242556	A	20020325	200432	E
US 20050076112	A1	20050407	WO 2002CA428	A	20020325	200525	E
			US 2004473342	A	20041026		
MX 2003008915	A1	20040701	WO 2002CA428	A	20020325	200545	E
			MX 20038915	A	20030929		
IN 200301758	P1	20051014	WO 2002CA428	A	20020325	200580	E
			IN 2003DN1758	A	20031028		
AU 2002242556	A8	20051013	AU 2002242556	A	20020325	200611	E

Priority Applications (no., kind, date): CA 2342540 A 20010329

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2002079983	A2	EN	20	6	
National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW					
Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW					
CA 2342540	A1	EN			
EP 1410201	A2	EN			PCT Application WO 2002CA428 Based on CPI patent WO 2002079983
Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
AU 2002242556	A1	EN			Based on CPI patent WO 2002079983
US 20050076112	A1	EN			PCT Application WO 2002CA428
MX 2003008915	A1	ES			PCT Application WO 2002CA428 Based on CPI patent WO 2002079983

IN 200301758 P1 EN
AU 2002242556 A8 EN

PCT Application WO 2002CA428
Based on CPI patent WO 2002079983

Alerting Abstract WO A2

NOVELTY - Proxy agents (144a, 144b) at a base station communicate with customer premises servers in each customer premises equipment (CPE) device over shared radio link, to request information from CPE devices, transmit management data to CPE devices and maintain management information base for CPE devices. A master agent (140) associated with base station, retrieves network requested data from management information base.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Method of managing devices connected to network by restricted bandwidth links; and
2. System for managing devices connected to network by restricted bandwidth links

USE - Wireless local loop system

ADVANTAGE - The system is transparent to clients and managed objects and can be used with variety of protocols such as simple network management protocol (SNMP). The CPE servers are simple and do not require to communicate in complex protocols such as SNMP.

DESCRIPTION OF DRAWINGS - The figure shows the master agent, proxy agent and clients.

- 140 Master agent
- 144a, 144b Proxy agents

Title Terms/Index Terms/Additional Words: WIRELESS; LOCAL; LOOP; SYSTEM AGENT; COMMUNICATE; CUSTOMER PREMISES; SERVICE; SHARE; RADIO LINK; MASTER; RETRIEVAL; NETWORK; REQUEST; DATA; MANAGEMENT; INFORMATION; BASE

Class Codes

International Classification (Main): G06F-015/173, G06F-009/46, H04L-029/02
(Additional/Secondary): H04Q-007/36
US Classification, Issued: 709224000

File Segment: EPI;

DWPI Class: V01

Manual Codes (EPI/S-X): V01-A06C4; V01-A06E; V01-A06F3

15/5/24 (Item 20 from file: 350)

DIALOG File 350: Derwent WPI X

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0012487230 - Drawing available

WPI ACC NO: 2002-434398/ 200246

XRPX Acc No: N2002-341909

Call information managing method for wireless packet data system involves storing identifiers of mobile station and source base station controller in pointer look up table

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSC)

Inventor: CHANG H; JANG H; KIM T; KIM T W; LEE S; LEE S W

Patent Family (4 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20020041576	A1	20020411	US 2001933107	A	20010820	200246	B
KR 2002014566	A	20020225	KR 200047912	A	20000818	200258	
KR 338661	B	20020713	KR 200047912	A	20000818	200305	
US 6950415	B2	20050927	US 2001933107	A	20010820	200563	E

Priority Applications (no., kind, date): KR 200047912 A 20000818; US 2001933107 A 20010820

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20020041576	A1	EN	39	23	
KR 338661	B	KO			Previously issued patent KR 2002014566

Alerting Abstract US A1

NOVELTY - The source **base station** controller stores call information for packet data service in a dormant state database, on receipt of call request from the mobile station. The identifiers of mobile station and source controller are transmitted to other controllers, if the given mobile station performs transition to the dormant state. The identifiers are stored in a pointer look up table.

DESCRIPTION - An INDEPENDENT CLAIM is included for call information management apparatus.

USE - For managing location of packet call in wireless environment of wireless packet data system CDMA-2000 system WCDMA system

ADVANTAGE - Enables providing packet data service effectively without a separate device and modification of radio interface standard in wireless packet data system. Reduces signal message transmission/reception load generated between wireless and wired stages due to call establishment.

DESCRIPTION OF DRAWINGS - The figure shows the state transitions in a mobile communication system

Title Terms/Index Terms/Additional Words: CALL; INFORMATION; MANAGE; METHOD
; WIRELESS; PACKET; DATA; SYSTEM; STORAGE; IDENTIFY; MOBILE; STATION;
SOURCE; BASE; CONTROL; POINT; UP; TABLE

Class Codes

International Classification (Main): H04B-007/155

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/56 A I R 20060101

H04Q-0007/22 A I R 20060101

H04Q-0007/38 A I R 20060101

H04L-0012/56 C I R 20060101

H04Q-0007/22 C I R 20060101

H04Q-0007/38 C I R 20060101

US Classification, Issued: 370331000, 370386000, 370331000, 455436000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W01-C05B3J; W02-C03C1A; W02-C03C1G

15/5/25 (Item 21 from file: 350)

DIALOG File 350: Derwent WPI X

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0012472131 - Drawing available

WPI ACC NO: 2002-418898/ **200245**

XREFX Acc No: N2002-329562

Mobile communication network for multimedia application, has local link through which minor node communicates with major node which in turn communicates with base station through network link

Patent Assignee: MITSUBISHI DENKI KK (MTQ); MITSUBISHI ELECTRIC

INFORMATION TECHNOLOGY (MTQ); MITSUBISHI ELECTRIC RES LAB INC (MTQ)

Inventor: BAO J; ORLIK P; POON T C

Patent Family (6 patents, 28 countries)

Patent		Application		Patent		Update	
Number	Kind	Date	Number	Kind	Date	Update	
EP 1195948	A2	20020410	EP 2001123643	A	20011002	200245	B
JP 2002165277	A	20020607	JP 2001263500	A	20010831	200253	
US 7002933	B1	20060221	US 2000684407	A	20001006	200615	
EP 1195948	B1	20060322	EP 2001123643	A	20011002	200622	
DE 60118076	E	20060511	DE 60118076	A	20011002	200634	
			EP 2001123643	A	20011002		
DE 60118076	T2	20070111	DE 60118076	A	20011002	200707	E
			EP 2001123643	A	20011002		

Priority Applications (no., kind, date): US 2000684407 A 20001006; EP 2001123643 A 20011002

Patent Details

Number Kind Lan Pg Dwg Filing Notes

EP 1195948 A2 EN 11 4

Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR

IE IT LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002165277 A JA 41

EP 1195948 B1 EN

Regional Designated States, Original: DE FR GB

DE 60118076 E DE Application EP 2001123643
Based on CPI patent EP 1195948
DE 60118076 T2 DE Application EP 2001123643
Based on CPI patent EP 1195948

Alerting Abstract EP A2
NOVELTY - A mobile node (101) considered as the major node communicates directly with the base station (130) through a network link (115). A minor node (103) communicates with the major node through a local link (13) and communicates indirectly with the base station through the network link connected to major node.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Communication method; and
2. Mobile node.

USE - Mobile communication network for multimedia applications.
ADVANTAGE - Enables sharing of resource between the cellular phones and mobile radio communication networks. Hence, the overall efficiency and the quality of service of the mobile network are increased.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of mobile communication network.

- 13 Local link
- 101 Major node
- 103 Minor node
- 115 Network link
- 130 Base station

Title Terms/Index Terms/Additional Words: MOBILE; COMMUNICATE; NETWORK; APPLY; LOCAL; LINK; THROUGH; MINOR; NODE; MAJOR; TURN; BASE; STATION

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0007/14 A I F B 20060101
H04L-0012/28 A I F R 20060101
H04L-0012/28 A I F B 20060101
H04L-0012/28 A I F 20060101
H04L-0012/56 A I R 20060101
H04L-0012/56 A I L B 20060101
H04L-0012/56 A I L 20060101
H04L-0029/06 A I R 20060101
H04Q-0007/38 A I L R 20060101
H04B-0007/14 C I L B 20060101
H04L-0012/28 C I F R 20060101
H04L-0012/56 C I R 20060101
H04L-0012/56 C I L B 20060101
H04L-0029/06 C I R 20060101
H04Q-0007/38 C I L R 20060101
H04L-0012/28 C I B 20060101
H04L-0012/56 C I B 20060101

US Classification, Issued: 370315000, 370328000, 455015000

File Segment: EPI;

DWPI Class: T01; V01; V02

Manual Codes (EPI/S-X): T01-N02A2; V01-B05A1A; V02-C03C1A

15/5/26 (Item 22 from file: 350)

DIALOG File 350: Derwent WPI X

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0011168041 - Drawing available

WPI ACC NO: 2002-105594/ 200214

XRFX Acc No: N2002-078546

CDMA radio data communication system for providing data service to radio terminals, has Internet interface which transmits monitoring results to wire system manager in call manager through Ethernet port

Patent Assignee: RYU D (RYUD-I); SAMSUNG ELECTRONICS CO LTD (SMSU)

Inventor: RYCO D; RYU D; YCO D H

Patent Family (8 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20010046224	A1	20011129	US 2001825895	A	20010405	200214	B
AU 200138783	A	20011129	AU 200138783	A	20010423	200214	E
CN 1325212	A	20011205	CN 2001117372	A	20010423	200223	E
KR 2001107016	A	20011207	KR 200028158	A	20000524	200236	E
KR 374337	B	20030304	KR 200028158	A	20000524	200349	E
AU 767101	B	20031030	AU 200138783	A	20010423	200382	E
CN 1132383	C	20031224	CN 2001117372	A	20010423	200564	E
US 6958993	B2	20051025	US 2001825895	A	20010405	200570	E

Priority Applications (no., kind, date): KR 200028158 A 20000524; US 2001825895 A 20010405

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20010046224	A1	EN	9	4	
KR 374337	B	KO			Previously issued patent KR 2001107016
AU 767101	B	EN			Previously issued patent AU 200138783

Alerting Abstract US A1

NOVELTY - An Internet interface (231) transmits packet data, received from a mobile terminal (50), to an Internet protocol (IP) network (131). The interface monitors the installation or removal and functional errors of a private IP exchange (201). The interface transmits monitoring results to a wire system manager in a call manager (109) through an Ethernet port.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a radio data communicating method.

USE - For providing data service to radio terminals using code division multiple access system

ADVANTAGE - Eliminates need for interworking function, and reduces hardware complexity.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of network structure for radio data communication service.

- 50 Mobile terminal
- 109 Call manager
- 201 Private IP exchange
- 231 Internet interface
- 131 Internet protocol network

Title Terms/Index Terms/Additional Words: CDMA; RADIO; DATA; COMMUNICATION; SYSTEM; SERVICE; TERMINAL; INTERFACE; TRANSMIT; MONITOR; RESULT; WIRE; MANAGE; CALL; THROUGH; PORT

Class Codes

International Classification (Main): H04Q 007/30

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04M 0007/00 A I R 20060101

H04Q 0007/36 A I R 20060101

H04M 0007/00 C I R 20060101

H04Q 0007/36 C I R 20060101

US Classification, Issued: 370338000, 370349000, 370352000, 370356000, 370338000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-A03B; W01-A06E1; W01-A06G2; W01-B05; W01-B05A1A; W01-B05A1B; W02-C03C1A; W02-C03C3; W02-K02

15/5/29 (Item 25 from file: 350)

DIALOG(R) File 350: Derwent WPI X

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0010846311 - Drawing available

WPI Acc No: 2001-464714/ 200150

XRFX Acc No: N2001-344709

System for cellular phone communication

Patent Assignee: FUKUDA F (FUKU-I); MITSUBISHI DENKI KK (MTQ)

Inventor: FUKUDA F

Patent Family (7 patents, 22 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2001008437	A1	20010201	WO 1999JP4026	A	19990727	200150 B
US 20010004590	A1	20010621	WO 1999JP4026	A	19990727	200150 E
EP 1122968	A1	20010808	US 2001779614	A	20010209	
CN 1315126	A	20010926	EP 1999931569	A	19990727	200152 E
US 6477365	B2	20021105	WO 1999JP4026	A	19990727	200206 E
JP 2001513196	X	20030218	CN 1999810242	A	19990727	
CN 1139289	C	20040218	WO 1999JP4026	A	19990727	200276 E
			US 2001779614	A	20010209	
			JP 2001513196	A	19990727	200315 E
			WO 1999JP4026	A	19960727	200572 E
			CN 1999810242	A	19990727	

Priority Applications (no., kind, date): WO 1999JP4026 A 19990727

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing	Notes
WO 2001008437	A1	JA	28	6		
National Designated States, Original:					CN JP US	
Regional Designated States, Original:					AT BE CH CY DE DK ES FI FR GB GR IE	
IT LU MC NL PT SE						
US 20010004590	A1	EN				Continuation of application WO
1999JP4026						
EP 1122968	A1	EN				PCT Application WO 1999JP4026
						Based on CPI patent WO 2001008437
Regional Designated States, Original:					AT BE CH CY DE DK ES FI FR GB GR IE	
IT LI LU MC NL PT SE						
CN 1315126	A	ZH				PCT Application WO 1999JP4026
US 6477365	B2	EN				Continuation of application WO
1999JP4026						
JP 2001513196	X	JA				PCT Application WO 1999JP4026
						Based on CPI patent WO 2001008437
CN 1139289	C	ZH				PCT Application WO 1999JP4026

Alerting Abstract WO A1

NOVELTY - A cellular phone communication system comprises mobile stations in a control zone or service area, a radio base station that communicates with the mobile stations, and a network management device that manages the network in the control zone. Upon a request from a first mobile station, the network management device registers additional information to be added to a control signal directed to a second mobile station, and when receiving the control signal from the first mobile station through the radio base station, transmits the received control signal together with the registered additional information to the second mobile station through the radio base station. The second mobile station outputs additional information added to the control signal before sending an acknowledgement.

USE - System for cellular phone communication

DESCRIPTION OF DRAWINGS - 1a Radio base station

1b Radio base station

2 Control zone

3a Mobile station

3b Mobile station

4 Network management device

12 Transmitter

13 Receiver

14 Frequency synthesizer

15 Main control

16 Display

17 Man-machine interface

18 Internal memory

19 Memory control

20 External interface

21 Microphone

22 Speaker

31 Network control

32 Storage for additional information

Title Terms/Index Terms/Additional Words: SYSTEM CELLULAR; TELEPHONE;
COMMUNICATE

Class Codes

International Classification (Main): H04Q 007/38

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04M 0001/57	A	I	R	20060101
H04M 0001/663	A	N	R	20060101
H04M 0003/436	A	I	R	20060101
H04M 0003/53	A	N	R	20060101
H04M 0003/533	A	I	R	20060101
H04Q 0007/38	A	I	R	20060101
H04M 0001/57	C	I	R	20060101
H04M 0001/66	C	N	R	20060101
H04M 0003/42	C	I	R	20060101
H04M 0003/50	C	I	R	20060101
H04Q 0007/38	C	I	R	20060101

US Classification, Issued: 455415000, 455461000, 455415000,
455414000, 455466000, 379201010, 379201020

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A

15/5/30 (Item 26 from file: 350)

DI ALG R File 350; Derwent WPI X

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0010833350 - Drawing available

WPI ACC NO: 2001-450963/ 200148

XRFX Acc No: N2001-333862

Mobile communication system e.g. code division multiple access system
transmits hand-off control process request to master mobile switching
center, if communication channel between master and other centers is
detected

Patent Assignee: KUBOTA H (KUBO-I); NEC CORP (NI DE); NIPPON ELECTRIC CO
(NI DE)

Inventor: KUBOTA H

Patent Family (7 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20010007819	A1	20010712	US 2001754278	A	20010105	200148	B
JP 2001197539	A	20010719	JP 20003695	A	20000112	200156	E
BR 200100426	A	20010911	BR 2001426	A	20010112	200162	E
KR 2001070518	A	20010725	KR 20011723	A	20010112	200206	E
JP 3399428	B2	20030421	JP 20003695	A	20000112	200328	E
KR 366007	B	20021226	KR 20011723	A	20010112	200337	E
US 6901257	B2	20050531	US 2001754278	A	20010105	200536	E

Priority Applications (no., kind, date): JP 20003695 A 20000112; US
2001754278 A 20010105

Patent Details

Patent Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20010007819	A1	EN	20	13	
JP 2001197539	A	JA	14		
BR 200100426	A	PT			
JP 3399428	B2	JA	14		Previously issued patent JP 2001197539
KR 366007	B	KO			Previously issued patent KR 2001070518

Alerting Abstract US A1

NOVELTY - The base station detects channel between master mobile
switching center (MSC) (501) and another MSC (56), based on channel
selection data. When channel connection is detected, a controller transmits
hand-off control process request to master MSC. The hand-off control
process between master MSC and another MSC, is carried out if hand-off
control request is received by master MSC.

USE - E.g. code division multiple access communication system also time

division multiple access cellular system frequency division multiple access cellular system. For performing hand-off control process between different cellular systems.

ADVANTAGE - Reduces cost of mobile communication system since it is required for only one MSC be connected to MSC in another cellular system which eliminates need for providing channels in all adjacent MSCs in different cellular systems for hand-off control process.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of mobile communication system

501 Master mobile switching center
56 Mobile switching center

Title Terms/Index Terms/Additional Words: MOBILE; COMMUNICATE; SYSTEM; CODE; DIVIDE; MULTIPLE; ACCESS; TRANSMIT; HAND; CONTROL; PROCESS; REQUEST; MASTER; SWITCH; CHANNEL; DETECT

Class Codes

International Classification (Main): H04B-007/26

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04Q 0007/22 A I F R 20060101

H04Q 0007/28 A I L R 20060101

H04Q 0007/38 A I R 20060101

H04Q 0007/22 C I F R 20060101

H04Q 0007/28 C I L R 20060101

H04Q 0007/38 C I R 20060101

US Classification, Issued: 455439000, 455436000, 455439000, 455426000, 455436000, 455439000, 455443000, 455442000, 370252000, 370253000, 370331000, 370332000, 370412000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A; W02-C03C1D; W02-K01; W02-K05A7; W02-K05B1

15/5/32 (Item 28 from file: 350)

DI ALCO R File 350: Derwent WPI X

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0010796689 - Drawing available

WPI ACC NO: 2001-412601/ 200144

Related WPI Acc No: 2008-A39728

XRPX Acc No: N2001-305239

Mobile station for CDMA based mobile communication system sets cut-off time for power supply to receiver, if confirmation signal is not received within preset time of local registration demand transmission

Patent Assignee: TOSHIBA KK (TOK); ENCKI M (ENCKI); KAWABATA K (KAWA-I)

Inventor: ENCKI M; KAWABATA S; KAWABATA K

Patent Family (3 patents, 2 countries)

Patent		Application				
Number	Kind	Date	Number	Kind	Date	Update
JP 2001102990	A	20010413	JP 1999275514	A	19990929	200144 B
US 7289832	B1	20071030	US 2000664855	A	20000919	200772 E
US 20070263555	A1	20071115	US 2000664855	A	20000919	200777 E
			US 2007780947	A	20070720	

Priority Applications (no., kind, date): JP 1999275514 A 19990929

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2001102990	A	JA	7	6	
US 20070263555	A1	EN			Continuation of application US 2000664855

Alerting Abstract JP A

NOVELTY - Transmitter transmits location registration demand signal to base station, in response to which receiver receives confirmation signal. If confirmation signal is not received within preset time of demand transmission, a controller (20) sets cut-off time for power supply to receiver.

USE - For CDMA based mobile communication system
 ADVANTAGE - Power supply consumption is reduced, since entire operation is not repeated, if confirmation signal for demand is not received within preset time.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of mobile communication system (Drawing includes non-English language text).
 20 Controller

Title Terms/Index Terms/Additional Words: MOBILE; STATION; CDMA; BASED; COMMUNICATE; SYSTEM; SET; OUT; TIME; POWER; SUPPLY; RECEIVE; CONFIGURATION; SIGNAL; PRESET; LOCAL; REGISTER; DEMAND; TRANSMISSION

Class Codes

International Classification (+ Attributes)
 IPC - Level Value Position Status Version

H04B-0001/38 A I F B 20060101
 H04B-0007/26 A I F R 20060101
 H04C-0007/24 A I F B 20060101
 H04B-0001/38 C I F B 20060101
 H04B-0007/26 C I F R 20060101
 H04C-0007/24 C I F B 20060101

US Classification, Issued: 370311000, 455574000, 455572000, 455343100, 455343200

File Segment: EPI;

WPI Class: W02

Manual Codes (EPI/S-X): W02-C03C3C

15/5/34 (Item 30 from file: 350)

DI ALG R File 350: Derwent WPI X

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0010555594 - Drawing available

WPI ACC NO: 2001-159199/ 200116

Related WPI Acc No: 2005-251607

XRPX Acc No: N2001-116044

Slot allocation method in communication link in cellular communication system involves assigning remote terminals in preset sequence to base station radio based on bandwidth ratio of remote terminal

Patent Assignee: TELEFONAKTIEBLAGET ERIKSSON L M (TELF)

Inventor: HAARTSEN J; HAARTSEN J C

Patent Family (9 patents, 91 countries)

Patent				Application			
Number	Kind	Date	Number	Kind	Date	Update	
WO 2001001716	A1	20010104	WO 2000EP5299	A	20000608	200116	B
AU 200056790	A	20010131	AU 200056790	A	20000608	200124	E
BR 200011896	A	20020326	BR 200011896	A	20000608	200229	E
			WO 2000EP5299	A	20000608		
EP 1190589	A1	20020327	EP 2000942030	A	20000608	200229	E
			WO 2000EP5299	A	20000608		
CN 1371582	A	20020925	CN 2000812024	A	20000608	200305	E
JP 2003503919	W	20030128	WO 2000EP5299	A	20000608	200309	E
			JP 2001506258	A	20000608		
US 6650630	B1	20031118	US 1999340268	A	19990625	200376	E
EP 1190589	B1	20050112	EP 2000942030	A	20000608	200505	E
			WO 2000EP5299	A	20000608		
DE 60017402	E	20050217	DE 60017402	A	20000608	200514	E
			EP 2000942030	A	20000608		
			WO 2000EP5299	A	20000608		

Priority Applications (no., kind, date): US 1999340268 A 19990625

Patent Details

Number Kind Lan Pg Dwg Filing Notes

WO 2001001716 A1 EN 50 14

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Regional Designated States, Original: AT BE CH CY DE DK EA ES FI FR GB GR GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200056790 A EN Based on CPI patent WO 2001001716
 BR 200011896 A PT PCT Application WO 2000EP5299
 Based on CPI patent WO 2001001716
 EP 1190589 A1 EN PCT Application WO 2000EP5299
 Based on CPI patent WO 2001001716
 Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR
 IE IT LI LT LU LV MC MK NL PT RO SE SI
 JP 2003503919 W JA 64 PCT Application WO 2000EP5299
 Based on CPI patent WO 2001001716
 EP 1190589 B1 EN PCT Application WO 2000EP5299
 Based on CPI patent WO 2001001716
 Regional Designated States, Original: AT BE CH CY DE DK ES FI FR GB GR IE
 IT LI LU MC NL PT SE
 DE 60017402 E DE Application EP 2000942030
 PCT Application WO 2000EP5299
 Based on CPI patent EP 1190589
 Based on CPI patent WO 2001001716

Alerting Abstract WO A1
 NOVELTY - Remote terminals are sequentially assigned to available base station radio in descending order based upon respective remote terminals required bandwidth ratio. The remaining remote terminals are assigned to the base station radio in reverse sequence in descending order based upon respective remote terminals required bandwidth ratio.

DESCRIPTION - An INDEPENDENT CLAIM is also included for communication system

USE - For use in time division duplex communication system such as cellular radio telephone system, global system for mobile communication (GSM), digital advanced mobile phone system (D-AMPS), personal digital cellular (PDC) system and also for licensed spectrum cellular communication system in office, residence, exhibition halls, etc., and in school campus, office parks, etc., and also for unlicensed spectrum mobile communication system such as digital European cordless telephone (DECT) system, personal handyphone system and wireless local area computer network (WLAN).

ADVANTAGE - Provides efficient data service by assigning and reassigning time slots on carrier signals to users according to user's needs.

DESCRIPTION OF DRAWINGS - The figure shows the flowchart illustrating slot allocation method.

Title Terms/Index Terms/Additional Words: SLOT; ALLOCATE; METHOD;
 COMMUNICATE; LINK; CELLULAR; SYSTEM; ASSIGN; REMOTE; TERMINAL; PRESET;
 SEQUENCE; BASE; STATISTICS; RADIO; BASED; BANDWIDTH; RATIO

Class Codes

International Classification (Main): H04Q 007/36, H04Q 007/38

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04J-0003/00 A I F R 20060101

H04L-0012/28 A I R 20060101

H04L-0012/56 A I R 20060101

H04M-0003/00 A I L R 20060101

H04Q-0007/36 A I L R 20060101

H04Q-0007/38 A I R 20060101

H04J-0003/00 C I F R 20060101

H04L-0012/28 C I R 20060101

H04L-0012/56 C I R 20060101

H04M-0003/00 C I L R 20060101

H04Q-0007/36 C I L R 20060101

H04Q-0007/38 C I R 20060101

US Classification, Issued: 370345000, 455067100, 370331000, 375131000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A

15/5/43 (Item 39 from file: 350)

DIALOG File 350: Derwent WPI X

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0008138021 - Drawing available

WPI ACC NO: 1997-238503/ 199722

XRPX Acc. No: N1997-197030

Base station system which is suited for micro-cells for vehicle telephones, portable telephones etc. - has internal bus connecting terminal section and transceivers that perform control and management function for data to be transferred, and controller connection system

Patent Assignee: ASTRONET CORP (ASTR-N); M TSUBI SHI DENKI KK (M TQ); M TSUBI SHI ELECTRIC CORP (M TQ); M TSUBI SHI WIRELESS COMMUNICATIONS INC (M TS-N)

Inventor: HARADA N; MATSUMOTO S; MATSUYAMA H; MATSUYAMA K; M CHAEL; ROBERTS

R; ROBERTS R U; ROBIN; SCANBURG M; SPEANBURG M H

Patent Family (10 patents, 7 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 771127	A2	19970502	EP 1996115834	A	19961002	199722 B
JP 9102977	A	19970415	JP 1995256545	A	19951003	199725 E
CA 2186940	A	19970404	CA 2186940	A	19961001	199731 E
US 5898683	A	19990427	US 1996724912	A	19961002	199924 E
CA 2186940	C	20000502	CA 2186940	A	19961001	200037 E
CN 1151673	A	19970611	CN 1996122416	A	19961003	200132 E
EP 771127	B1	20030108	EP 1996115834	A	19961002	200304 E
PH 1199654433	B1	20000629	PH 199654433	A	19961002	200309 E
DE 69625667	E	20030213	DE 69625667	A	19961002	200320 E
			EP 1996115834	A	19961002	
CN 1097992	C	20030101	CN 1996122416	A	19961003	200532 E

Priority Applications (no., kind, date): JP 1995256545 A 19951003; EP 1996115834 A 19961002

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing	Notes
EP 771127	A2	EN	18	9		
Regional Designated States, Original:					DE FR GB	
JP 9102977	A	JA	11			
CA 2186940	A	EN				
CA 2186940	C	EN				
EP 771127	B1	EN				
Regional Designated States, Original:					DE FR GB	
PH 1199654433	B1	EN				
DE 69625667	E	DE				
					Application EP 1996115834	
					Based on CFI patent EP 771127	

Alerting Abstract EP A2

The base station system comprises at least one base station having a radio communication processing function for carrying out radio communication with mobile stations. A base station controller operates the base station, and has a line communication processing function for setting network communication.

The base station has at least one transceiver that performs control and management of information to be transmitted or received. A radio frequency distribution and combining device allows radio communication of information between the transceiver and the base stations. A communication device performs a communication access with the base station controller, and an internal bus connects the transceiver and the communication device. An integrative controller performs integrative control of the radio communication processing.

ADVANTAGE - Control functions are distributed and minimises amount of communication between base station and base station controller.

33/ 5/ 1 (Item 1 from file: 350)
DI ALOC R) File 350: Derwent WPI X
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0017226830 - Drawing available
WPI ACC NO: 2008-A47260/ 200803
Related WPI Acc No: 2005-179341; 2006-262610; 2006-329600; 2007-827317;
2007-842462

XRPX Acc No: N2008-036201

Multiple virtual local area networks identifying and grouping apparatus for
e.g. processing of multicast data, has access point to wirelessly
communicate with mobile node for enabling node to communicate with
associated network

Patent Assignee: HALASZ D (HALA-I); MEIER R (MEI-E-I)

Inventor: HALASZ D; MEIER R

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20070286108	A1	20071213	US 2000252717	P	20001122	200803 B
			US 2001953820	A	20010912	
			US 2003701851	A	20031105	
			US 2007840781	A	20070817	

Priority Applications (no., kind, date): US 2000252717 P 20001122; US
2001953820 A 20010912; US 2003701851 A 20031105; US 2007840781 A
20070817

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20070286108	A1	EN	9	2	Related to Provisional US 2000252717 C-I-P of application US 2001953820 Continuation of application US 2003701851 C-I-P of patent US 7251232

Alerting Abstract US A1

NOVELTY - The apparatus has an ~802. 11~ access point to wirelessly
communicate with a mobile node for enabling the mobile node to
communicate with an associated network. The access point groups a
group of virtual local area networks (VLANs) (165, 170, 175) into a single
~802. 11~ multicast domain e.g. Internet protocol (IP) multicast domain
(180). The access point assigns a mobile node belonging to one of the VLANs
to the single multicast domain. The access point intercepts an Internet
group management protocol (IGMP) report transmitted by the mobile node.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a method
comprising grouping virtual local area networks (VLANs) into a single
multicast domain.

USE - Used for identifying and grouping multiple virtual local area
networks (VLANs) into a single ~802. 11~ multicast domain e.g.
Internet protocol (IP) multicast domain for wireless networking and
processing of multicast data.

ADVANTAGE - The apparatus identifies and groups the multiple virtual
local area networks (VLANs) into the single multicast domain, so that a
different set of multicast keys is used for each multicast domain without
consuming the bandwidth for useless multicast transmissions, thus
preventing useful multicast frames to be discarded. The apparatus enables
unicast transmissions not to be delayed for the duration of the multicast
delivery period, so that power-save stations do not awake, for the duration
of the multicast delivery period, to receive multicast transmissions, thus
preventing the battery life from being reduced in the power-save stations.

DESCRIPTION OF DRAWINGS - The drawing shows a network block diagram of a
device to facilitate a multicast transmission to a number of wireless
clients associated with multiple virtual local area networks (VLANs).

100 Multiple VLANs identifying and grouping system

140 Wireless network

160 Wired network

165, 170, 175 VLANs

180 Internet protocol (IP) multicast domain

Title Terms/Index Terms/Additional Words: MULTIPLE; VIRTUAL; LOCAL; AREA;
NETWORK; IDENTIFY; GROUP; APPARATUS; PROCESS; DATA; ACCESS; PCI NT;

COMMUNICATE; MOBILE; NODE; ENABLE; ASSOCIATE

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04H-0001/00 A I F B 20060101

H04H-0001/00 C I B 20060101

US Classification, Issued: 370312000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-C07C3; T01-N01D5; W01-A06B5A; W01-A06B7G;

W01-A06C4; W01-A06C4E; W01-A06E1A; W01-A06F2A

33/5/2 (Item 2 from file: 350)

DIALOG File 350: Derwent WPI X

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0017110985 - Drawing available

WPI ACC NO: 2007-825936/200777

Related WPI Acc No: 2006-453004; 2008-A96739

XRPX Acc No: N2007-656583

Communications network e.g. local area network, for e.g. transmitting e.g. audio signal, has base station configured to communicate bi-directionally with personal communication systems to be carried by respective firefighters

Patent Assignee: STI LICENSING CORP. (STIL-N)

Inventor: BARBEE W M, LANDIS J L, MALIN J R, PARKULO C M, SHANNON M

Patent Family (1 patents, 1 countries)

Number	Kind	Date	Number	Kind	Date	Update
US 7263379	B1	20070828	US 2002436038	P	20021223	B
			US 2003744901	A	20031223	

Priority Applications (no., kind, date): US 2002436038 P 20021223; US 2003744901 A 20031223

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 7263379	B1	EN	27	15	Related to Provisional US 2002436038

Alerting Abstract US B1

NOVELTY - The network has a base station configured to communicate bi-directionally with personal communication systems (PCS) (15) to be carried by respective firefighters. The systems include an onboard data gathering device and a wireless transceiver that is configured to communicate with one another over a peer to peer mesh network. The data gathering device collects personal alarm safety system (PASS) data from a PASS system. The transceiver in one of the PCS broadcasts the PASS data to the other PCS. The transceiver in the latter PCS broadcasts the PASS data to the base station.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. a method for providing a communications network
2. a method of communicating multimedia data from a personal communication system
3. a personal communication system to be carried by a firefighter in a hazardous environment.

USE - Communications network e.g. local area network, wide area network and internet, used in a personal multimedia communication system for an emergency personnel (claimed) e.g. firefighter, for collecting, displaying, wirelessly transmitting and wirelessly receiving multimedia data e.g. audio signal, video signal or data, positional data, biometric data, environmental data, self-contained breathing apparatus (SCBA) status, in a hazardous environment such as firefighting environment.

ADVANTAGE - The network effectively correlates audio signals, video signals or data, positional data, biometric data, environmental data, SCBA status information, from the firefighter.

DESCRIPTION OF DRAWINGS - The drawing shows a block representation of a personal multimedia communication system and network.

- 15 Personal communication systems
- 65 Global positioning system (GPS) unit
- 68 Global positioning system (GPS) satellite constellation
- 70 Local area network
- 80 Wide area network
- 104 Air tank

Title Terms/Index Terms/Additional Words: COMMUNICATE; NETWORK; LOCAL; AREA; TRANSMIT; AUDIO; SIGNAL; BASE; STATICS; CONFIGURATION; BI; DIRECTION; PERSON; SYSTEM; CARRY; RESPECTIVE

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04Q 0007/20 A I F B 20060101

H04Q 0007/20 C I F B 20060101

US Classification, Issued: 455521000, 455404100, 455404200, 455557000,

709238000, 709243000, 370238000, 370254000, 370351000, 340501000,

340506000, 340532000, 340539130, 340539170, 340539220, 340539270,

340586000, 340870170

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI/S-X): W01-A06B4C; W01-A06B5A; W01-A06B8C; W01-A06C4

33/5/3 (Item 3 from file: 350)

DI ALCO R File 350: Derwent WPI X

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0016866830 - Drawing available

WPI ACC NO: 2007-581891/200756

XRPX Acc No: N2007-448692

Association method for maintaining portable unit in wireless communication with cable, involves re-initiating association on process by portable device when throughput falls below user selected minimum acceptable threshold

Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)

Inventor: STRATIGAKIS J G

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 7230920	B1	20070612	US 2001953139	A	20010914	200756 B

Priority Applications (no., kind, date): US 2001953139 A 20010914

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 7230920	B1	EN	9	3	

Alerting Abstract US B1

NOVELTY - The method involves establishing an association between a portable unit and one of the access points with an association process. The association process is re-initiated by the portable device when throughput falls below a minimum acceptable threshold. The minimum acceptable threshold is user selected.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. a system for wireless local area network communication for placing a portable unit in communication with a cable of a network; and
2. an apparatus for optimizing throughput using response time as a metric.

USE - Use for associating a portable unit by placing and maintaining the portable unit in wireless communication with the cable for transfer of packets via cable to and from the portable unit.

ADVANTAGE - Optimizes the throughput of individual access points by measuring the response time of packets and establishing and maintaining an association with a new or existing client based on response time. Maintains

optimized throughput when an access point is confronted with an external source of radio frequency interference and when the throughput associated with an access point falls below a certain threshold limit.

DESCRIPTION OF DRAWINGS - The figure shows the explanatory diagram of a network comprising access points coupled to a cable by radio links for transmission of data in packet form

10 Cable

A Access point

Title Terms/Index Terms/Additional Words: ASSOCIATE; METHOD; MAIN; NETWORK; UNIT; WIRELESS; COMMUNICATE; CABLE; INITIATE; PROCESS; DEVICE; THROUGHPUT; FALL; BELOW; USER; SELECT; MINIMUM; ACCEPT; THRESHOLD

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0015/173 A I L B 20060101

H04L-0012/26 A I F B 20060101

H04Q-0007/20 A I L B 20060101

H04Q-0007/24 A I L B 20060101

G06F-0015/16 C I B 20060101

H04L-0012/26 C I B 20060101

H04Q-0007/20 C I B 20060101

H04Q-0007/24 C I B 20060101

US Classification, Issued: 370230000, 370332000, 370338000, 455453000, 709225000

File Segment: EPI

WIPI Class: T01; W01

Manual Codes (EPI/S-X): T01-N01D; T01-N02A2; W01-A03B; W01-A06A; W01-A06G2

33/5/11 (Item 11 from file: 350)

DIALCGR File 350: Derwent WPIX

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0014750745 - Drawing available

WIPI ACC NO: 2005-098376/200511

XRPX Acc No: N2005-085281

Wireless mobile network e.g. code division multiple access network has base stations that translate dynamic internet protocol addresses of received packet to permanent IP addresses of associated destination of mobile hosts

Patent Assignee: UT STARCOM INC (UTST-N)

Inventor: ZHANG G

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 6845094	B1	20050118	US 1999171247	P	19991216	200511 B
			US 2000210336	P	20000607	
			US 2000739055	A	20001215	

Priority Applications (no., kind, date): US 2000210336 P 20000607; US 1999171247 P 19991216; US 2000739055 A 20001215

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 6845094	B1	EN	14	4	Related to Provisional US 1999171247
					Related to Provisional US 2000210336

Alerting Abstract US B1

NOVELTY - The base stations have associated coverage area with dynamic internet protocol (IP) address space to communicate with mobile hosts. The base station receive packets with dynamic IP address of an associated destination of mobile hosts, through a backbone and translate the dynamic IP addresses to permanent IP addresses of the associated destination of the mobile hosts.

USE - Wireless mobile network e.g. cellular digital packet data (CDPD) network, code division multiple access (CDMA) network, global system for mobile communication (GSM) network, and time division multiple access (TDMA) network.

ADVANTAGE - The dynamic IP address space is used to address mobile hosts thereby facilitating mobility management of the mobile host. Enables the

mobile host to continue session such as downloading email or file transfer without interruption, when host moves from one subnet to another. Avoids requirement of excessive computing power for rerouting the packet from home address to temporary address.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of fully IP enabled end-to-end wireless mobile network system
100 wireless mobile network system

Title Terms/Index Terms/Additional Words: WIRELESS; MOBILE; NETWORK; CODE
; DIVIDE; MULTIPLE; ACCESS; BASE; STATICON; TRANSLATION; DYNAMIC; PROTOCOL
; ADDRESS; RECEIVE; PACKET; PERMANENT; IP; ASSOCIATE; DESTINATION; HOST

Class Codes

International Classification (Main): H04J-003/24
US Classification, Issued: 370349000, 370389000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-N02A1A; W01-A03B; W01-A06F2A; W01-A06F3;
W01-A06G2

33/5/12 (Item 12 from file: 350)

DIALOG File 350: Derwent WPI X

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0014838264 - Drawing available

WPI ACC NO: 2004-820263/200481

XREF Acc No: N2004-847509

Wide area network access point evaluating method for use by e.g. development engineer, involves transmitting performance evaluation data from virtual station to access point under test and recovering performance data from point

Patent Assignee: ROSEN D (ROSE-I); SLOMON B (SLO-I); IXA (IXA-N)

Inventor: ROSEN D; SLOMON B

Patent Family (2 patents, 1 countries)

Patent		Application		Kind		Date	Update
Number	Kind	Date	Number	Kind	Date		
US 20040214564	A1	20041028	US 2003424161	A	20030425	200481	B
US 7277395	B2	20071002	US 2002376174	P	20020425	200765	E
			US 2003424161	A	20030425		

Priority Applications (no., kind, date): US 2002376174 P 20020425; US 2003424161 A 20030425

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20040214564	A1	EN	6	3	
US 7277395	B2	EN			Related to Provisional US 2002376174

Alerting Abstract US A1

NOVELTY - The method involves creating a virtual station for a wide area network access point under test (28). Performance evaluation data is transmitted from the virtual station to the access point. The performance data is recovered from the access point and stored in a log and statistics file (30). A virtual station creating mechanisms employed to create a differential virtual station for association with the access point.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a test environment for evaluating a local area network.

USE - Used for evaluating a wireless local area network access point by a development engineer, network administrator and network testing organization.

ADVANTAGE - The method efficiently provides variable and realistic network load conditions, and allows the network builders to quickly determine the efficiency and capacity of the access point under test. The method makes the network configuration adjustments to optimize overall performance of the network.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram illustrating internal functional units of a load emulator and connections of the load emulator to a command and report computer and to an access point under test.

22 Command report computer

24 Load emulator
 28 Access point under test
 32 Input/output controller
 36 Log and statistics file

Title Terms/Index Terms/Additional Words: WDE; AREA; NETWORK; ACCESS;
 PQNT; EVALUATE; METHOD; DEVELOP; ENGINEERING; TRANSMIT; PERFORMANCE;
 DATA; VIRTUAL; STATISTICS; TEST; RECOVER

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/28 A N R 20060101
 H04Q-0007/34 A I R 20060101
 H04J-0001/16 A I F B 20060101
 H04L-0012/28 C N R 20060101
 H04Q-0007/34 C I R 20060101
 H04J-0001/00 C I B 20060101

US Classification, issued: 455041200, 455423000, 370241000, 370252000

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-C03C; T01-J15H; W01-A06A; W01-A06B5A; W01-A06C4
 ; W01-A06D; W01-A06E

33/5/21 (Item 21 from file: 350)

DALCQ File 350: Derwent WPI X

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0013988324 - Drawing available

WPI ACC NO: 2004-169384/200416

Related WPI Acc No: 2005-271703; 2005-725008

XRPX Acc No: N2004-135085

Wireless station associating method for differentiating network access of
 wireless LAN users, involves associating access parameters configured for
 virtual LAN or proxy mobile IP host with access points service set
 identifiers

Patent Assignee: CISCO TECHNOLOGY INC (CIS-NC); GRI SWOLD V J (GRI-S-I);
 MEIER R C (MEI-E-I); NELAKANTI B (NELA-I); CLSON T (CLSO-I); YANG S
 (YANG-I)

Inventor: GRI SWOLD V J; GRI SWOLD V J; MEIER R; MEIER R C; NELAKANTI B; CLSON
 T; CLSON T J; YANG S

Patent Family (5 patents, 102 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2004013986	A1	20040212	WO 2003US22982	A	20030724	200416 B
AU 2003254133	A1	20040223	AU 2003254133	A	20030724	200453 E
EP 1529352	A1	20050511	EP 2003766889	A	20030724	200531 E
			WO 2003US22982	A	20030724	
US 20050185626	A1	20050825	US 2002212193	A	20020802	200556 E
			US 2005106943	A	20050415	
US 6950628	B1	20050927	US 2002212193	A	20020802	200563 E

Priority Applications (no., kind, date): US 2002212193 A 20020802; US
 2005106943 A 20050415

Patent Details

Number Kind Lan Pg Dwg Filing Notes

WO 2004013986 A1 EN 29 5

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY
 BZ CA CH CN CO CR CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID
 IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ
 NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ
 VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG CH CY CZ DE DK EA EE ES FI
 FR GB GH GM GR HU IE IT KE LS LU MC MW NL OA PA PT RO SD SE SI SK SL SZ
 TR TZ UG UZ ZW

AU 2003254133 A1 EN Based on CPI patent WO 2004013986

EP 1529352 A1 EN PCT Application WO 2003US22982

Based on CPI patent WO 2004013986

Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI

Alerting Abstract VO A1

NOVELTY - The method involves receiving a message comprising a service set identifier from a wireless station and associating the wireless station to a service set defining a set of network access parameter values. The access parameter values are then configured at an access point (102) for either virtual LAN (112,114) or proxy mobile IP host (116,118) and associated with each of the access points service set identifiers.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. a computer-readable medium with instructions for associating 802 . 11 access point with 802 . 11 wireless station
2. an access point
3. an 802 . 11 network.

USE - Used for differentiating network access for different classes of wireless LAN users.

ADVANTAGE - The method enables a wireless station to change its service set without requiring changes to its remote authentication dial-in user server configuration.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram representing the relationship between an access point, service set identifier and a virtual LAN or proxy mobile IP host.

- 102 Access point
- 112,114 Virtual LAN
- 116,118 Proxy mobile IP host

Title Terms/Index Terms/Additional Words: WIRELESS; STATION; ASSOCIATE; METHOD; DIFFERENTIAL; NETWORK; ACCESS; LAN; USER; PARAMETER; CONFIGURATION; VIRTUAL; MOBILE; IP; HOST; POINT; SERVICE; SET; IDENTIFY

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

- H04L-0012/28 A I R 20060101
- H04L-0012/46 A I R 20060101
- H04L-0029/06 A I R 20060101
- H04L-0012/28 C I R 20060101
- H04L-0012/46 C I R 20060101
- H04L-0029/06 C I R 20060101

US Classification, Issued: 370338000, 455041200, 455041100, 455461000, 455414100, 455418000, 455417000, 455456400, 340007100, 340870020, 342357100, 342357060, 342357130

File Segment: EPI;

DWPI Class: W01

Manual Codes (EPI/S-X): W01-A06B5A; W01-A06C4; W01-A06E1

33/5/27 (Item 27 from file: 350)

DIALOG File 350: Derwent WPIX

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0013776811 - Drawing available

WPI ACC NO: 2003-876141/200381

XRPX Acc. No: N2003-699659

Wireless access providing method for mobile communication system involves reporting parameters that affect management of high speed shared radio channel to radio resource controller to utilize resources

Patent Assignee: AM RIJCO S (AM R-I); BEM NG P (BEM -I); ENGLUND E (ENGL-I); KARLSSON P (KARL-I); PARKVALL S (PARK-I); TELEFONAKTIEBOLAGET ERI CSSON L M (TELF); VAN LIESHOUT G (VLI E-I); WBERG N (WBE-I)

Inventor: AM RIJCO S; BEM NG P; ENGLUND E; KARLSSON P; PARKVALL S; VAN LIESHOUT G; WBERG N

Patent Family (6 patents, 102 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
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US 20030210660	A1	20031113	US 2003371199	A	20030224	200381	B
WO 2003096571	A1	20031120	WO 2003SE694	A	20030429	200403	E
AU 2003224581	A1	20031111	AU 2003224581	A	20030429	200442	E
EP 1504545	A1	20050209	EP 2003721255	A	20030429	200512	E
			WO 2003SE694	A	20030429		
JP 2005525743	W	20050825	WO 2003SE694	A	20030429	200560	E
			JP 2004504415	A	20030429		
CN 1653718	A	20050810	CN 2003810911	A	20030429	200572	E

Priority Applications (no., kind, date): SE 20021467 A 20020513; SE 20022845 A 20020923; US 2003371199 A 20030224

Patent Details

Nurber	Kind	Lan	Pg	Dwg	Filing	Notes
US 20030210660	A1	EN	20	14		
WO 2003096571	A1	EN				

National Designated States, Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Regional Designated States, Original: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GR HU IE IT LI LT LU LV MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003224581	A1	EN	Based on CPI patent	WO 2003096571
EP 1504545	A1	EN	PCT Application	WO 2003SE694
			Based on CPI patent	WO 2003096571

Regional Designated States, Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

JP 2005525743	W	JA	25	PCT Application	WO 2003SE694
				Based on CPI patent	WO 2003096571

Alerting Abstract US A1

NOVELTY - The method involves measuring one or more parameters that affect the management of a high-speed shared radio channel in a radio base station. The station reports the parameters to a radio resource controller that utilizes the parameters to implement the resources associated with the channel. A detector measures transmission power to regulate a power level associated with the radio channel.

DESCRIPTION - An INDEPENDENT CLAIM is also included for a radio base station for use in a mobile communication network.

USE - Used in mobile communication system based on wideband code divisional multiple access radio access (WCDMA).

ADVANTAGE - The method enables efficient radio resource management without excessive signaling by accounting for the specific characteristics of a particular type of channel. The method allows a radio resource manager to perform a better control over cell congestion, admit new users to the cell, block new users or drop the existing users. The method also helps the controller to ensure that the high-speed channel has enough resources to fulfill its job. The method provides proper code allocation to a high-speed shared channel to ensure optimal performance of the channel without under-utilizing or wasting radio resources.

DESCRIPTION OF DRAWINGS - The drawing shows a code tree of the mobile communication system that is based on WCDMA.

Title Terms/Index Terms/Additional Words: WIRELESS; ACCESS; METHOD; MOBILE; COMMUNICATE; SYSTEM; REPORT; PARAMETER; AFFECT; MANAGEMENT; HIGH; SPEED; SHARE; RADIO; CHANNEL; RESOURCE; CONTROL; UTILISE

Class Codes

International Classification (Main): H04Q 007/38

International Classification (+ Attributes)

IPC - Level Value Position Status Version

H04B-0007/26	A	I	F	R	20060101
H04L-0012/56	A	I		R	20060101
H04Q-0007/30	A	I		R	20060101
H04Q-0007/30	A	N		R	20060101
H04Q-0007/38	A	I	L	R	20060101
H04Q-0007/38	A	I		R	20060101
H04B-0007/26	C	I	F	R	20060101
H04L-0012/56	C	I		R	20060101
H04Q-0007/30	C	I		R	20060101

H04Q 0007/30 C N R 20060101
H04Q 0007/38 C I L R 20060101
H04Q 0007/38 C I R 20060101
US Classification, Issued: 370320000

File Segment: EPI;
DWPI Class: W01; W02
Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A; W02-C03C1G; W02-C03E3;
W02-G03J1

33/5/34 (Item 34 from file: 350)
DI ALQ(R) File 350: Derwent WPI X
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0013566510 - Drawing available
WPI ACC NO: 2003-660784/200362
Related WPI Acc No: 2003-395155; 2003-395156; 2003-395157; 2003-493691;
2003-659817; 2003-659818; 2006-379786
XRPX Acc No: N2003-527070

Wireless telecommunication system outputs selected parameters to beam
formers of base stations having transmission ranges that encompass
estimated locations

Patent Assignee: INTERDIGITAL TECHNOLOGY CORP (INTE-N)

Inventor: CHITRAPU P R

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20030119559	A1	20030626	US 2001334226	P	20011129	200362 B
			US 2001334309	P	20011129	
			US 2001334369	P	20011129	
			US 2002305740	A	20021127	
US 7016702	B2	20060321	US 2002305740	A	20021127	200621 E

Priority Applications (no., kind, date): US 2001334369 P 20011129; US
2001334309 P 20011129; US 2001334226 P 20011129; US 2002305740 A
20021127

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20030119559	A1	EN	21	11	Related to Provisional US 2001334226 Related to Provisional US 2001334309 Related to Provisional US 2001334369

Alerting Abstract US A1

NOVELTY - A network interface interconnecting base stations (BS1, BS2) and
geolocation processors are configured to divide selected user equipment
(UEs) (UE1-UE10) into groups, based on quality of service and data rate
requirement of communication data. The processors outputs selected
parameters to beamformers of base stations having transmission ranges that
encompass estimated locations, such that the selected base station transmit
communication data for each UE.

DESCRIPTION - An INDEPENDENT CLAIM is also included for method of
selectively directing base station communication signals.

USE - Wireless telecommunication system

ADVANTAGE - Increases capacity and efficiency of the communication
system

DESCRIPTION OF DRAWINGS - The figure shows the wireless

telecommunication system

BS1, BS2 base stations

UE1-UE10 user equipment

Title Terms/Index Terms/Additional Words: WIRELESS; TELECOMMUNICATION;
SYSTEM OUTPUT; SELECT; PARAMETER; BEAM FORMER; BASE; STATION;
TRANSMISSION; RANGE; ENCOMPASSING ESTIMATE; LOCATE

Class Codes

International Classification (Main): H04Q 007/20

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04B-0001/38 A I F B 20060101

US Classification, Issued: 455562000, 455456000, 342357100, 455562100,

455561000, 455440000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-B06B; W02-C03C1A; W02-C03C1B

33/5/36 (Item 36 from file: 350)

DIALOG File 350: Derwent WPI X

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0013535296

WPI ACC NO: 2003-628819/200360

Related WPI Acc No: 2003-628810; 2003-628811; 2003-628817; 2003-628818;
2003-637924

XRPX Acc No: N2003-500477

Radio local area network (RLAN) with radio access network internet protocol (RAN-IP) gateway with authenticating, authorizing and break-off (AAA) function and core network (CN)

Patent Assignee: INTERDIGITAL TECHNOLOGY CORP (INTE-N)

Inventor: CHITRAPU P R; HUNKELER T J; MENON N P

Patent Family (4 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	B
DE 20304817	U1	20030807	DE 20304817	U	20030325	200360	
US 20030185177	A1	20031002	US 2002367945	P	20020326	200372	E
			US 2002367946	P	20020326		
			US 2002367948	P	20020326		
			US 2002367949	P	20020326		
			US 2002367950	P	20020326		
			US 2002367975	P	20020326		
			US 2002328685	A	20021223		
KR 2004052212	A	20040622	KR 200430647	A	20040430	200468	E
KR 2005101306	A	20051021	KR 200591129	A	20050929	200649	E

Priority Applications (no., kind, date): US 2002367975 P 20020326; US 2002367950 P 20020326; US 2002367949 P 20020326; US 2002367948 P 20020326; US 2002367946 P 20020326; US 2002367945 P 20020326; US 2002328685 A 20021223

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
DE 20304817	U1	DE	53	22	
US 20030185177	A1	EN			Related to Provisional US 2002367945
					Related to Provisional US 2002367946
					Related to Provisional US 2002367948
					Related to Provisional US 2002367949
					Related to Provisional US 2002367950
					Related to Provisional US 2002367975

Alerting Abstract DE U1

NOVELTY - The RLAN contains one or more basic stations with transceivers, configured with an interface for TDD-WCDMA communications in selected geographic region. There is at least one controller coupled to a group of basic stations, using stacked, layered protocol link. A lower transport layer is configured for use of IP. A RAN-IP gateway is coupled to a group of controllers, containing the above controller. The RAN-IP gateway contains a gateway general packet radio service-support node (GGSN), configured with an interface for connection to internet. A serving SGSN is linked to the controller group.

USE - For telecommunication network with RLAN for simultaneous radio communication services.

ADVANTAGE - Improved network architecture.

DESCRIPTION OF DRAWINGS - The figure shows universal mobile telecommunication system (UMTS), containing RLAN with direct internet link of invention.

Title Terms/Index Terms/Additional Words: RADIO LOCAL; AREA; NETWORK; ACCESS; PROTOCOL; RUN; IP; GATEWAY; AUTHENTICITY; AUTHORITY; BREAK; FUNCTION; CORE

Class Codes

International Classification (Main): H04L-012/28

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04L-0012/28	A	I	R	20060101
H04L-0012/56	A	I	R	20060101
H04L-0012/64	A	N	R	20060101
H04L-0012/66	A	I	R	20060101
H04L-0029/06	A	I	R	20060101
H04L-0029/08	A	N	R	20060101
H04Q-0007/22	A	I	R	20060101
H04Q-0007/30	A	I	R	20060101
H04Q-0007/38	A	N	R	20060101
H04L-0012/28	C	I	R	20060101
H04L-0012/56	C	I	R	20060101
H04L-0012/64	C	N	R	20060101
H04L-0012/66	C	I	R	20060101
H04L-0029/06	C	I	R	20060101
H04L-0029/08	C	N	R	20060101
H04Q-0007/22	C	I	R	20060101
H04Q-0007/30	C	I	R	20060101
H04Q-0007/38	C	N	R	20060101

US Classification, Issued: 370338000, 370335000

File Segment: EPI;

DWPI Class: V01; V02

Manual Codes (EPI/S-X): V01-A06B5A; V01-A06G3; V01-A06G5C; V01-B05A1A;
V02-C03C1A; V02-C03C1G; V02-K02C; V02-K05A7

33/5/50 (Item 50 from file: 350)

DI ALCG R File 350: Derwent WPI X

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0012763537 - Drawing available

WPI ACC NO: 2002-617134/ 200266

XRPX Acc No: N2002-488346

Communication system using network, has connectivity application which accesses connection information corresponding to one of access points in access provider, based on priority value assigned to connection information
Patent Assignee: DANIEL HERWMAN (DANI-I); HANNAN J W (HANN-I); O'CONNELL R M (CONN-I); SLEMMER M W (SLEM-I)

Inventor: DANIEL HERWMAN HANNAN J W O'CONNELL R M SLEMMER M W

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20020069284	A1	20020606	US 2000205015	P	20000517	200266 B
			US 2001859739	A	20010517	

Priority Applications (no., kind, date): US 2000205015 P 20000517; US
2001859739 A 20010517

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing Notes
US 20020069284	A1	EN	25	12	Related to Provisional US 2000205015

Alerting Abstract US A1

NOVELTY An access provider (115) comprises points each of which includes connection information that are used by connectivity application to establish communication between user computing device and communication network (120). The connectivity application accesses connection information corresponding to one of the access points, based on priority value assigned to connection information by a management server (135).

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1. Server communicating with connectivity application on computing devices;
2. Connectivity application controlling method;
3. Connectivity application for establishing communication between computing device and network;

4. Communication links provision method for computer network.

USE - For establishing communication between network such as Internet and uses computing device such as personal computer, workstation, server, mini-computer, main-frame computer, laptop computer, network of individual computers, personal digital assistant, mobile computer, palmtop computer, hand-held computer, cellular telephones, other mobile telephones, set top box for TV, interactive television, interactive kiosk, smart appliance, communication device, interactive wireless communication device and other microprocessor included domestic appliances.

ADVANTAGE - Enables the user computing device to communicate with network through one or more of access points of access provider.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of communication system

- 115 Access provider
- 120 Communication network
- 135 Management server

Title Terms/Index Terms/Additional Words: COMMUNICATE; SYSTEM; NETWORK;
CONNECT; APPLY; ACCESS; INFORMATION; CORRESPOND; ONE; POINT; BASED;
PRIORITY; VALUE; ASSIGN

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

- H04L-0012/24 A I R 20060101
- H04L-0012/28 A I R 20060101
- H04L-0029/06 A I R 20060101
- H04Q-0003/66 A I R 20060101
- H04L-0012/24 C I R 20060101
- H04L-0012/28 C I R 20060101
- H04L-0029/06 C I R 20060101
- H04Q-0003/64 C I R 20060101

US Classification, Issued: 709227000, 709217000, 709250000

File Segment: EPI;

DWPI Class: T01; V01

Manual Codes (EPI/S-X): T01-C03A; T01-N02B1; V01-A06E; V01-C05B4

33/5/60 (Item 60 from file: 350)

DIALOG File 350: Derwent WPI X

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0011059883 - Drawing available

WPI ACC NO: 2001-521665/ 200157

XPXX Acc No: N2001-386584

Mobile communication system

Patent Assignee: FUJITSU LTD (FUJIT); KANAGAWA A (KANAI)

Inventor: KANAGAWA A; KANAGAWA A F L

Patent Family (17 patents, 9 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2001026396	A1	20010412	WO 1999JP5389	A	19990930	200157 B
EP 1213933	A1	20020612	EP 1999974075	A	19990930	200239 E
			WO 1999JP5389	A	19990930	
US 20020090951	A1	20020711	US 200280977	A	20020221	200248 E
CN 1371578	A	20020925	CN 1999816925	A	19990930	200305 E
			WO 1999JP5389	A	19990930	
JP 2001529229	X	20030507	WO 1999JP5389	A	19990930	200331 E
			JP 2001529229	A	19990930	
EP 1213933	B1	20040714	EP 1999974075	A	19990930	200446 E
			WO 1999JP5389	A	19990930	
			EP 200410681	A	19990930	
EP 1443783	A2	20040804	EP 1999974075	A	19990930	200451 NCE
			EP 200410681	A	19990930	
DE 69918730	E	20040819	DE 69918730	A	19990930	200455 E
			EP 1999974075	A	19990930	
			WO 1999JP5389	A	19990930	
CN 1571552	A	20050126	CN 1999816925	A	19990930	200533 NCE
			CN 200410059032	A	19990930	

DE 69918730	T2	20050721	DE 69918730	A	19990930	200548	E
			EP 1999974075	A	19990930		
			WO 1999JP5389	A	19990930		
CN 1185890	C	20050119	CN 1999816925	A	19990930	200620	NCE
CN 1297166	C	20070124	CN 200410059032	A	19990930	200740	NCE
US 7233797	B2	20070619	WO 1999JP5389	A	19990930	200741	E
			US 200280977	A	20020221		
US 20070149199	A1	20070628	WO 1999JP5389	A	19990930	200743	E
			US 200280977	A	20020221		
			US 2007705995	A	20070214		
US 20070149205	A1	20070628	WO 1999JP5389	A	19990930	200743	E
			US 200280977	A	20020221		
			US 2007705247	A	20070212		
EP 1443783	B1	20071107	EP 1999974075	A	19990930	200778	NCE
			EP 200410681	A	19990930		
DE 69937508	E	20071220	DE 69937508	A	19990930	200802	NCE
			EP 200410681	A	19990930		

Priority Applications (no., kind, date): WO 1999JP5389 A 19990930; CN 1999816925 A 19990930; EP 200410681 A 19990930; CN 200410059032 A 19990930; DE 69937508 A 19990930

Patent Details

Number	Kind	Language	Pg	Dwg	Filing	Notes
WO 2001026396	A1	JA	53	17		
National Designated		Stat es, Original			CN JP KR US	
Regional Designated		Stat es, Original			DE FR GB IT SE	
EP 1213933	A1	EN				PCT Application WO 1999JP5389 Based on CPI patent WO 2001026396
Regional Designated		Stat es, Original			DE FR GB IT SE	
US 20020090951	A1	EN				Continuation of application WO 1999JP5389
CN 1371578	A	ZH				PCT Application WO 1999JP5389
JP 2001529229	X	JA				PCT Application WO 1999JP5389 Based on CPI patent WO 2001026396
EP 1213933	B1	EN				PCT Application WO 1999JP5389 Related to application EP 200410681 Based on CPI patent WO 2001026396
Regional Designated		Stat es, Original			DE GB	
EP 1443783	A2	EN				Division of application EP 1999974075
Regional Designated		Stat es, Original			DE GB	
DE 69918730	E	DE				Division of patent EP 1213933 Application EP 1999974075 PCT Application WO 1999JP5389 Based on CPI patent EP 1213933 Based on CPI patent WO 2001026396
CN 1571552	A	ZH				Division of application CN 1999816925
DE 69918730	T2	DE				Application EP 1999974075 PCT Application WO 1999JP5389 Based on CPI patent EP 1213933 Based on CPI patent WO 2001026396
US 7233797	B2	EN				Continuation of application WO 1999JP5389
US 20070149199	A1	EN				Continuation of application US 200280977
US 20070149205	A1	EN				Continuation of application WO 1999JP5389
EP 1443783	B1	EN				Division of application EP 1999974075
Regional Designated		Stat es, Original			DE GB	
DE 69937508	E	DE				Application EP 200410681 Based on CPI patent EP 1443783

Alerting Abstract WO A1

NOVELTY - A base station device (31) provided in a unit cell (41) is

included in a base station controller (21), and a base station device (32) provided in a unit cell (42) is included in a base station controller (22). A base station device (33) provided in a boundary cell (43) adjacent to both the unit cell (41) and the unit cell (42) is included in the base station controller (21) and the base station controller (22). Frequencies (RF1, RF2) are allocated to the unit cell (41), the unit cell (42) and the boundary cell (43), respectively. The communications associated with the base station device (33) at the frequency (RF1) are controlled by the base station controller (21) while those at the frequency (RF2) are controlled by the base station controller (22).

USE - Mobile communication system
 DESCRIP TION OF DRAWINGS - 31 Base station device
 41 Unit cell
 21 Base station controller
 32 Base station device
 42 Unit cell
 22 Base station controller
 33 Base station device
 43 Boundary cell
 43 Boundary cell

Title Terms/Index Terms/Additional Words: MOBILE; COMMUNICATE; SYSTEM

Class Codes

International Classification (Main): H04Q 007/22, H04Q 007/38

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04Q 007/20	A	I	F	B	20060101
H04Q 007/30	A	I	F		20060101
H04Q 007/30	A	I		R	20060101
H04Q 007/36	A	I	F	B	20060101
H04Q 007/36	A	I		R	20060101
H04Q 007/38	A	I		R	20060101
H04Q 007/38	A	N		R	20060101
H04Q 007/36	A	I	F		20060101
H04Q 007/20	C	I	F	B	20060101
H04Q 007/20	C	I		B	20060101
H04Q 007/30	C	I		R	20060101
H04Q 007/30	C	I			20060101
H04Q 007/36	C	I	F	B	20060101
H04Q 007/36	C	I		R	20060101
H04Q 007/38	C	I		R	20060101
H04Q 007/38	C	N		R	20060101
H04Q 007/36	C	I			20060101

US Classification, Issued: 455446000, 455450000, 455436000, 455450000, 455446000, 455446000, 455450000, 455432000, 455460000, 455461000, 370331000, 370332000

File Segment: EPI;

DWPI Class: W01; W02

Manual Codes (EPI/S-X): W01-B05A1A; W02-C03C1A

33/5/76 (Item 76 from file: 350)

DIALOG File 350: Derwent WPI X

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0010144976 - Drawing available

WPI ACC NO: 2000-453559/ 200040

XRFX Acc No: N2000-337838

Mobile wireless apparatus e.g. for performing wireless communication with base station

Patent Assignee: MITSUBISHI MATERIALS CORP (M TV); NAGATA T (NAG-I);

TARI K (TARI-I); UNOKI H (UNOK-I)

Inventor: NAGATA T; NAGATA T; TARI K; TASATO K; UNOKI H

Patent Family (6 patents, 27 countries)

Patent		Application		Patent		Update	
Number	Kind	Date	Number	Kind	Date	Date	E
EP 1011286	A2	20000621	EP 1999125305	A	19991217	200040	B
JP 2000184460	A	20000630	JP 1998361658	A	19981218	200043	E
JP 3196747	B2	20010806	JP 1998361658	A	19981218	200147	E
US 20030119486	A1	20030626	US 1999466191	A	19991217	200343	E

US 20030190893	A1	20031009	US 1999466191	A	19991217	200367	E
			US 2003439240	A	20030516		
US 20040072587	A1	20040415	US 1999466191	A	19991217	200426	E
			US 2003677364	A	20031003		

Priority Applications (no., kind, date): JP 1998361658 A 19981218

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1011286	A2	EN	23	13		
Regional Designated States. Original: AL AT BE CH CY DE DK ES FI FR GB GR						
IE IT LI LT LU LV MC MK NL PT RO SE SI						
JP 2000184460	A	JA	16			
JP 3196747	B2	JA	16			Previously issued patent JP 2000184460
US 20030190893	A1	EN				Division of application US 1999466191
US 20040072587	A1	EN				Continuation of application US
1999466191						

Alerting Abstract EP A2

NOVELTY - The apparatus has a mobile wireless apparatus receiving data including destination information, which form a transmission packet transmitted by the base station wireless apparatus currently connected to it by radio and detects and determines a destination. The apparatus receives, when the destination of the transmission packet is not the mobile wireless apparatus, a transmission channel of another base station wireless apparatus whose communication area is adjacent to that of the base station wireless apparatus during sending of second data subsequent to the first data, the second data forming the transmission packet. The mobile wireless apparatus detects and obtains electrical field intensity of the transmission channel.

DESCRIPTION - An INDEPENDENT CLAIM is included for

1. a base station wireless apparatus
2. a computer readable medium for causing a computer to execute an electrical field intensity

USE - For performing wireless communication with base station.

ADVANTAGE - Detects receivable channel based on pre obtained electrical field intensity information when mobile wireless apparatus moves outside in service area.

DESCRIPTION OF DRAWINGS - The figure shows a timing of a signal transmitted through a transmission channel of the base station wireless apparatus and timing of the operation of the mobile wireless apparatus.

45/5/3 (Item 1 from file: 350)
DI ALCG R) File 350: Derwent WPI X
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0016655451 - Drawing available
WPI ACC NO: 2007-370538/200735
XRPX Acc No: N2007-275890
Internet based access point management system e.g. for door or locker
has computer managed openings comprising computers that are selectively
interconnected with electronically controlled locking devices having lock
and controller
Patent Assignee: HARROW PROCD LLC (HARROW)
Inventor: LAVELLE G E; YUAN J
Patent Family (1 patents, 1 countries)
Patent Application
Number Kind Date Number Kind Date Update
US 7181507 B1 20070220 US 2000618516 A 20000718 200735 B

Priority Applications (no., kind, date): US 2000618516 A 20000718

Patent Details

Number	Kind	Lang	Pg	Dwg	Filing	Notes
US 7181507	B1	EN	16	5		

Alerting Abstract US B1

NOVELTY - The computer managed openings (30,41) have computers (36) selectively interconnected with electronically controlled locking devices. The access points (32a-32c,42,44) are lockable using the locking device. The locking devices have locks and controllers (38a-38c) having associated database for storing credential list for access points and other data, such that the controller automatically effects locking/releasing of lock upon presentation of proper credentials regardless of state of communication link. A system command operates to modify data stored in database.

DESCRIPTION - An INDEPENDENT CLAIM is included for method of managing access control system for facility.

USE - For managing access points such as door or locker in school or university, through internet.

ADVANTAGE - Enables management of several sites, efficiently, using essentially a single management system. The maintenance and management costs for each facility are reduced. The management system is operated without significant training and continuing education requirements for the facility operators.

DESCRIPTION OF DRAWINGS - The figure shows a schematic view of the internet based access point management system

12 Remote computer managed opening server

18, 20, 22 Facilities

32a-32c, 42, 44 Access points

38a-38c Controllers

Title Terms/Index Terms/Additional Words: BASED; ACCESS; POINT; MANAGEMENT;
SYSTEM; DOOR; LOCKER; COMPUTER; OPEN; COMPRISE; SELECT; INTERCONNECT;
ELECTRONIC; CONTROL; LOCK; DEVICE

Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G08F-0015/177 A I F B 20060101

G08F-0015/16 C I I B 20060101

US Classification, Issued: 709220000, 709221000, 707010000

File Segment: EPI:

DWPI Class: T01; T05; X25

Manual Codes (EPI/S-X): T01-N01D3; T05-D01; X25-M01

45/5/9 (Item 7 from file: 350)
DI ALCG R) File 350: Derwent WPI X
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0013614187 - Drawing available

WPI ACC NO: 2003-709474/ 200367

XRPX Acc No: N2003-567075

Wireless local area network system for computer terminals, has access point connected to terminals and includes web server that treats specified terminal as system manager and other terminals as user terminals

Patent Assignee: NEC CORP (NIDE)

Inventor: KACHI S; KACHI Y

Patent Family (3 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20030131082	A1	20030710	US 2003337311	A	20030107	200367	B
JP 2003204338	A	20030718	JP 20022419	A	20020109	200367	E
JP 3518599	B2	20040412	JP 20022419	A	20020109	200425	E

Priority Applications (no., kind, date): JP 20022419 A 20020109

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20030131082	A1	EN	18	8	
JP 2003204338	A	JA	14		
JP 3518599	B2	JA	14		Previously issued patent JP 2003204338

Alerting Abstract US A1

NOVELTY - The system has an access point (AP) (1) wirelessly connected to terminals and includes a web server (11) that treats a specified terminal as a system manager terminal. The server receives the medium access control (MAC) address of each terminal. The server treats the terminals other than the specified terminal as user terminals whose access to the server is limited by the system manager.

DESCRIPTION - An **INDEPENDENT CLAIM** is also included for a managing method of a wireless LAN system.

USE - Used for portable information terminals e.g. a note type PC terminal.

ADVANTAGE - The web server receives the MAC address of the terminals and treats the terminals as a system manager, thereby processing of authentication is simplified.

DESCRIPTION OF DRAWINGS - The drawing shows a block diagram of a wireless LAN system.

1 AP

11 Web server (13) MAC driver.

Title Terms/Index Terms/Additional Words: WIRELESS; LOCAL; AREA; NETWORK; SYSTEM; COMPUTER; TERMINAL; ACCESS; POINT; CONNECT; WEB; SERVE; TREAT; SPECIFIED; MANAGE; USER